

City of San Diego

CONTRACTOR'S NAME: Southwest Pipeline and Trenchless Corp.
ADDRESS: 22118 S. Vermont Avenue, Torrance, CA 90502
TELEPHONE NO.: (310) 505-0251 **FAX NO.:** _____
CITY CONTACT: Juan E. Espindola, Senior Contract Specialist, Email: JEEspindola@sandiego.gov
Phone No. (619) 533-4491
J. Adelman / A. Jaro / W. R. Falkenstein

BIDDING DOCUMENTS



FOR

BAY HO IMPROVEMENTS 1

BID NO.: K-21-1988-DBB-3
SAP NO. (WBS/IO/CC): B-19088
CLIENT DEPARTMENT: 2000
COUNCIL DISTRICT: 2
PROJECT TYPE: JA

THIS CONTRACT WILL BE SUBJECT TO THE FOLLOWING:

- PHASED-FUNDING
- THE CITY'S SUBCONTRACTING PARTICIPATION REQUIREMENTS FOR SLBE PROGRAM
- PREVAILING WAGE RATES: STATE FEDERAL
- APPRENTICESHIP

BID DUE DATE:


2:00 PM
JANUARY 26, 2021

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

<http://www.sandiego.gov/cip/bidopps/index.shtml>

ENGINEER OF WORK

The engineering Specifications and Special Provisions contained herein have been prepared by or under the direction of the following Registered Engineer:



For City Engineer

12/09/2020

Date

Seal:



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REQUIRED DOCUMENTS SCHEDULE DURING BIDDING AND AWARDING

The Bidder's attention is directed to the City's Municipal Code §22.0807(e), (3)-(5) for important information regarding grounds for debarment for failure to submit required documentation.

The specified Equal Opportunity Contracting Program (EOCP) forms are available for download from the City's web site at:

<http://www.sandiego.gov/eoc/forms/index.shtml>

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
1.	Bid Bond (PDF via PlanetBids)	At Time of Bid	ALL BIDDERS
2.	List of Subcontractors for Alternate Items	At Time of Bid	ALL BIDDERS
3.	Contractors Certification of Pending Actions	At Time of Bid	ALL BIDDERS
4.	Mandatory Disclosure of Business Interests	At Time of Bid	ALL BIDDERS
5.	Debarment and Suspension Certification for Prime Contractors	At Time of Bid	ALL BIDDERS
6.	Debarment and Suspension Certification for Subcontractors, Suppliers & Mfgs	At Time of Bid	ALL BIDDERS
7.	Bid Bond (Original)	By 5PM 3 working days after bid opening	ALL BIDDERS
8.	SLBE Good Faith Effort Documentation	By 5 PM 3 working days after bid opening	ALL BIDDERS
9.	Form AA60 – List of Work Made Available	By 5 PM 3 working days after bid opening with Good Faith Effort (GFE) documentation	ALL BIDDERS
10.	Contractor's Experience and Past Project Documentation. See SSP and 2018 WB Section 500-2.1, "Initial Submittals, 1a)"	At Time of Bid	ALL BIDDERS
11.	Manufacturer Authorized Installer Certification. See SSP and 2018 WB Section 500-2.1, "Initial Submittals, 1b)"	At Time of Bid	ALL BIDDERS

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
12.	Phased Funding Schedule Agreement (when required)	Within 10 working days of receipt by the bidder of the Notice of Intent to Award	AWARDED BIDDER
13.	Payment & Performance Bond: Certificates of Insurance & Endorsements	Within 10 working days of receipt by bidder of contract forms and NOI	AWARDED BIDDER
14.	Signed Contract Agreement Page	Within 3 working days of receipt by bidder of Contract Agreement	AWARDED BIDDER
15.	Listing of "Other Than First Tier" Subcontractors	Within 10 working days of receipt by bidder of contract forms	AWARDED BIDDER

NOTICE INVITING BIDS

1. **SUMMARY OF WORK:** This is the City of San Diego's (City) solicitation process to acquire Construction services for **Bay Ho Improvements 1**. For additional information refer to Attachment A.
2. **FULL AND OPEN COMPETITION:** This solicitation is subject to full and open competition and may be bid by Contractors on the City's approved Prequalified Contractors List. For information regarding the Contractors Prequalified list visit the City's web site: <http://www.sandiego.gov>.
3. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$4,450,000**.
4. **BID DUE DATE AND TIME ARE: JANUARY 26, 2021 at 2:00 PM**
5. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
6. **LICENSE REQUIREMENT:** To be eligible for award of this contract, Prime contractor must possess the following licensing classifications: **A** or **C-34**
7. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract.
 - 7.1. The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

1. SLBE participation	6.2%
2. ELBE participation	9.1%
3. Total mandatory participation	15.3%
 - 7.2. The Bid may be declared non-responsive if the Bidder fails to meet the following requirements:
 - 7.2.1. Include SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; OR
 - 7.2.2. Submit Good Faith Effort (GFE) documentation, saved in searchable Portable Document Format (PDF) and stored on a Universal Serial Bus (USB) Type-A, Compact Disc (CD) or Digital Video Disc (DVD), demonstrating the Bidder made a good faith effort to outreach to and include SLBE-ELBE Subcontractors required in this document by 5 PM 3 Working Days after the Bid opening if the overall mandatory participation percentage is not met.

Due to circumstances related to Covid-19, until further notice, all submittals in searchable PDF shall be submitted electronically within the prescribed time identified in the contract documents via a link provided by the Contract Specialist to all bidders.

Upon circumstances returning to normal business as usual, the GFE shall once again be submitted to:

Engineering & Capital Projects Department, Contracts Division
525 B Street, Suite 750 (7th Floor)
San Diego, California, 92101
Attention: Juan E. Espindola

8. AWARD PROCESS:

- 8.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions of Award as stated within these documents and within the Notice of Intent to Award.
- 8.2.** Upon acceptance of bids and determination of the apparent low bidder, the City will prepare the contract documents for execution within approximately 21 days of the date of the bid opening. The City will then award the contract upon receipt of properly signed Contract, bonds, and insurance documents.
- 8.3.** This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form by the City Attorney's Office.
- 8.4.** The low Bid will be determined by the Base Bid plus all the Alternates.
- 8.5.** Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base bid alone; or for the Base Bid plus one or more alternates.

9. SUBMISSION OF QUESTIONS:

- 9.1.** The Director (or Designee) of the Engineering & Capital Projects Department is the officer responsible for opening, examining, and evaluating the competitive Bids submitted to the City for the acquisition, construction and completion of any public improvement except when otherwise set forth in these documents. Any questions related to this solicitation shall be submitted to:

Engineering & Capital Projects Department, Contracts Division
525 B Street, Suite 750 (7th Floor)
San Diego, California, 92101
Attention: Juan E. Espindola

OR:

JEspindola@sandiego.gov

- 9.2. Questions received less than 14 days prior to the date for opening of Bids may not be considered.
 - 9.3. Questions or clarifications deemed by the City to be material shall be answered via issuance of an addendum and posted to the City's online bidding service.
 - 9.4. Only questions answered by formal written addenda shall be binding. Oral and other interpretations or clarifications shall be without legal effect. It is the Bidder's responsibility to be informed of any addenda that have been issued and to include all such information in its Bid.
10. **PHASED FUNDING:** For Phased Funding Conditions, see Attachment B.

INSTRUCTIONS TO BIDDERS

1. PREQUALIFICATION OF CONTRACTORS:

- 1.1. Contractors submitting a Bid must be pre-qualified for the total amount proposed, including all alternate items, prior to the date of submittal. Bids from contractors who have not been pre-qualified as applicable and Bids that exceed the maximum dollar amount at which contractors are pre-qualified may be deemed **non-responsive** and ineligible for award.
- 1.2. The completed application must be submitted online no later than 2 weeks prior to the bid opening.
- 1.3. **Joint Venture Bidders Cumulative Maximum Bidding Capacity:** For projects with an engineer's estimate of \$30,000,000 or greater, Joint Ventures submitting bids may be deemed responsive and eligible for award if the cumulative maximum bidding capacity of the individual Joint Venture entities is equal to or greater than the total amount proposed.
 - 1.3.1. Each of the entities of the Joint Venture must have been previously prequalified at a minimum of \$15,000,000.
 - 1.3.2. Bids submitted with a total amount proposed of less than \$30,000,000 are not eligible for Cumulative Maximum Bidding Capacity prequalification. To be eligible for award in this scenario, the Joint Venture itself or at least one of the Joint Venture entities must have been prequalified for the total amount proposed.
 - 1.3.3. Bids submitted by Joint Ventures with a total amount proposed of \$30,000,000 or greater on a project with an engineer's estimate of less than \$30,000,000 are not eligible for Cumulative Maximum Bidding Capacity prequalification.
 - 1.3.4. The Joint Venture designated as the Apparent Low Bidder shall provide evidence of its corporate existence and furnish good and approved bonds in the name of the Joint Venture within 14 Calendar Days of receipt by the Bidder of a form of contract for execution.
- 1.4. Complete information and links to the on-line prequalification application are available at:

<http://www.sandiego.gov/cip/bidopps/prequalification>
- 1.5. Due to the City's responsibility to protect the confidentiality of the contractors' information, City staff will not be able to provide information regarding contractors' prequalification status over the telephone. Contractors may access real-time information about their prequalification status via their vendor profile on [PlanetBids™](#).

2. **ELECTRONIC FORMAT RECEIPT AND OPENING OF BIDS:** Bids will be received in electronic format (eBids) EXCLUSIVELY at the City of San Diego's electronic bidding (eBidding) site, at: <http://www.sandiego.gov/cip/bidopps/index.shtml> and are due by the date, and time shown on the cover of this solicitation.
- 2.1. **BIDDERS MUST BE PRE-REGISTERED** with the City's bidding system and possess a system-assigned Digital ID in order to submit an electronic bid.
- 2.2. The City's bidding system will automatically track information submitted to the site including IP addresses, browsers being used and the URLs from which information was submitted. In addition, the City's bidding system will keep a history of every login instance including the time of login, and other information about the user's computer configuration such as the operating system, browser type, version, and more. Because of these security features, Contractors who disable their browsers' cookies will not be able to log in and use the City's bidding system.
- 2.3. The City's electronic bidding system is responsible for bid tabulations. Upon the bidder's or proposer's entry of their bid, the system will ensure that all required fields are entered. **The system will not accept a bid for which any required information is missing.** This includes all necessary pricing, subcontractor listing(s) and any other essential documentation and supporting materials and forms requested or contained in these solicitation documents.
- 2.4. **BIDS REMAIN SEALED UNTIL BID DEADLINE.** eBids are transmitted into the City's bidding system via hypertext transfer protocol secure (https) mechanism using SSL 128-256 bit security certificates issued from Verisign/Thawte which encrypts data being transferred from client to server. Bids submitted prior to the "Bid Due Date and Time" are not available for review by anyone other than the submitter who has until the "Bid Due Date and Time" to change, rescind or retrieve its proposal should it desire to do so.
- 2.5. **BIDS MUST BE SUBMITTED BY BID DUE DATE AND TIME.** Once the bid deadline is reached, no further submissions are accepted into the system. Once the Bid Due Date and Time has lapsed, bidders, proposers, the general public, and City staff are able to immediately see the results on line. City staff may then begin reviewing the submissions for responsiveness, EOCB compliance and other issues. The City may require any Bidder to furnish statement of experience, financial responsibility, technical ability, equipment, and references.
- 2.6. **RECAPITULATION OF THE WORK.** Bids shall not contain any recapitulation of the Work. Conditional Bids may be rejected as being non-responsive. Alternative proposals will not be considered unless called for.

2.7. BIDS MAY BE WITHDRAWN by the Bidder only up to the bid due date and time.

2.7.1. Important Note: Submission of the electronic bid into the system may not be instantaneous. Due to the speed and capabilities of the user's internet service provider (ISP), bandwidth, computer hardware and other variables, it may take time for the bidder's submission to upload and be received by the City's eBidding system. It is the bidder's sole responsibility to ensure their bids are received on time by the City's eBidding system. The City of San Diego is not responsible for bids that do not arrive by the required date and time.

2.8. ACCESSIBILITY AND AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE: To request a copy of this solicitation in an alternative format, contact the Engineering & Capital Projects Department Contract Specialist listed on the cover of this solicitation at least five (5) working days prior to the Bid/Proposal due date to ensure availability.

3. ELECTRONIC BID SUBMISSIONS CARRY FULL FORCE AND EFFECT:

3.1. The bidder, by submitting its electronic bid, acknowledges that doing so carries the same force and full legal effect as a paper submission with a longhand (wet) signature.

3.2. By submitting an electronic bid, the bidder certifies that the bidder has thoroughly examined and understands the entire Contract Documents (which consist of the plans and specifications, drawings, forms, affidavits and the solicitation documents), and that by submitting the eBid as its bid proposal, the bidder acknowledges, agrees to and is bound by the entire Contract Documents, including any addenda issued thereto, and incorporated by reference in the Contract Documents.

3.3. The Bidder, by submitting its electronic bid, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certification, forms and affidavits submitted as part of this bid are true and correct.

3.4. The Bidder agrees to the construction of the project as described in Attachment "A-Scope of Work" for the City of San Diego, in accordance with the requirements set forth herein for the electronically submitted prices. The Bidder guarantees the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent.

4. BIDS ARE PUBLIC RECORDS: Upon receipt by the City, Bids shall become public records subject to public disclosure. It is the responsibility of the respondent to clearly identify any confidential, proprietary, trade secret or otherwise legally privileged information contained within the Bid. General references to sections of the California Public Records Act (PRA) will not suffice. If the Contractor does not provide applicable case law that clearly establishes that the requested information is exempt from the disclosure requirements of the PRA, the City shall be free to release the information when required in accordance with the PRA, pursuant to any other applicable law, or by order of any court or government agency, and the Contractor will hold the City harmless for release of this information.

5. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:

5.1. Prior to the Award of the Contract or Task Order, you and your Subcontractors and Suppliers must register with the City’s web-based vendor registration and bid management system. For additional information go to:

<http://www.sandiego.gov/purchasing/bids-contracts/vendorreg>

5.2. The City may not award the contract until registration of all subcontractors and suppliers is complete. In the event this requirement is not met within the time frame specified in the Notice of Intent to Award letter, the City reserves the right to rescind the Notice of Award / Intent to Award and to make the award to the next responsive and responsible bidder / proposer.

6. JOINT VENTURE CONTRACTORS: Provide a copy of the Joint Venture agreement and the Joint Venture license to the City within 14 Calendar Days after receiving the Contract forms.

7. INSURANCE REQUIREMENTS:

7.1. All certificates of insurance and endorsements required by the contract are to be provided upon issuance of the City’s Notice of Intent to Award letter.

7.2. Refer to sections 5-4, “INSURANCE” of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.

8. REFERENCE STANDARDS: Except as otherwise noted or specified, the Work shall be completed in accordance with the following standards:

Title	Edition	Document Number
Standard Specifications for Public Works Construction (“The GREENBOOK”) http://www.greenbookspecs.org/	2018	PWPI010119-01
City of San Diego Standard Specifications for Public Works Construction (“The WHITEBOOK”)* https://www.sandiego.gov/ecp/edocref/greenbook	2018	PWPI010119-02
City of San Diego Standard Drawings* https://www.sandiego.gov/ecp/edocref/standarddraw	2018	PWPI010119-03
Citywide Computer Aided Design and Drafting (CADD) Standards https://www.sandiego.gov/ecp/edocref/drawings	2018	PWPI010119-04
California Department of Transportation (CALTRANS) Standard Specifications https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications	2018	PWPI030119-05
CALTRANS Standard Plans https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications	2018	PWPI030119-06
California Manual on Uniform Traffic Control Devices Revision 5 (CA MUTCD 2014 Rev 5) http://www.dot.ca.gov/programs/safety-programs/camutcd/camutcd-rev5	2014	PWPI042220-09

Title	Edition	Document Number
<p>NOTE: *Available online under Engineering Documents and References at: https://www.sandiego.gov/ecp/edocref/ *Electronic updates to the Standard Drawings may also be found in the link above</p>		

9. **CITY'S RESPONSES AND ADDENDA:** The City, at its discretion, may respond to any or all questions submitted in writing via the City's eBidding web site in the **form of an addendum**. No other responses to questions, oral or written shall be of any force or effect with respect to this solicitation. The changes to the Contract Documents through addenda are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda at the time of bid submission.
10. **CITY'S RIGHTS RESERVED:** The City reserves the right to cancel the Notice Inviting Bids at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Notice Inviting Bids shall be the sole responsibility of each bidder. The Notice Inviting Bids creates or imposes no obligation upon the City to enter a contract.
11. **CONTRACT PRICING:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth herein. The Bidder agrees to perform construction services for the City of San Diego in accordance with these contract documents for the prices listed below. The Bidder further agrees to guarantee the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee may be extended, by mutual consent of the parties, by the number of days required for the City to obtain all items necessary to fulfill all contractual conditions.
12. **SUBCONTRACTOR INFORMATION:**
- 12.1. **LISTING OF SUBCONTRACTORS.** In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act" of the California Public Contract Code, the Bidder shall provide the **NAME** and **ADDRESS** of each Subcontractor who will perform work, labor, render services or who specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also state within the description, whether the subcontractor is a **CONSTRUCTOR, CONSULTANT** or **SUPPLIER**. The Bidder shall state the **DIR REGISTRATION NUMBER** for all subcontractors and shall further state within the description, the **PORTION** of the work which will be performed by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement may result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - Section 3-2, "SELF-PERFORMANCE", which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which Bidders are seeking recognition towards achieving any mandatory, voluntary (or both) subcontracting participation goals.

Additionally, pursuant to California Senate Bill 96 and in accordance with the requirements of Labor Code sections 1771.1 and 1725.5, by submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the California Department of Industrial Relations (DIR). **The Bidder shall provide the name, address, license number, DIR registration number of any Subcontractor - regardless of tier** - who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement pursuant to the contract.

- 12.2. LISTING OF SUPPLIERS.** Any Bidder seeking the recognition of Suppliers of equipment, materials, or supplies obtained from third party Suppliers towards achieving any mandatory or voluntary (or both) subcontracting participation goals shall provide, at a minimum, the **NAME, LOCATION (CITY), DIR REGISTRATION NUMBER** and the **DOLLAR VALUE** of each supplier. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for materials and supplies unless vendor manufactures or substantially alters materials and supplies, in which case, 100% will be credited. The Bidder is to indicate within the description whether the listed firm is a supplier or manufacturer. If no indication is provided, the listed firm will be credited at 60% of the listed dollar value for purposes of calculating the Subcontractor Participation Percentage.
- 12.3. LISTING OF SUBCONTRACTORS OR SUPPLIERS FOR ALTERNATES.** For subcontractors or suppliers to be used on additive or deductive alternate items, in addition to the above requirements, bidder shall further note "ALTERNATE" and alternate item number within the description.
- 13. SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-6, "Trade Names" in The WHITEBOOK and as amended in the SSP.
- 14. AWARD:**

 - 14.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
 - 14.2.** Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.
 - 14.3.** This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form the City Attorney's Office.
- 15. SUBCONTRACT LIMITATIONS:** The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 3-2, "SELF-PERFORMANCE" in The GREENBOOK and as amended in the SSP which requires the Contractor to self-perform not less than the specified amount. Failure to comply with this requirement shall render the bid **non-responsive** and ineligible for award.

16. **AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City's website: <http://www.sandiego.gov/cip/>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Engineering & Capital Projects Department, Contracts Division.
17. **ONLY ONE BID PER CONTRACTOR SHALL BE ACCEPTED:** No person, firm, or corporation shall be allowed to make, file, or be interested in more than one (1) Bid for the same work unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.
18. **SAN DIEGO BUSINESS TAX CERTIFICATE:** The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, First floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms within these documents.
19. **BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY) FOR DESIGN-BID-BUILD CONTRACTS:**
- 19.1. For bids \$250,000 and above, bidders shall submit Bid Security at bid time. Bid Security shall be in one of the following forms: a cashier's check, or a properly certified check upon some responsible bank; or an approved corporate surety bond payable to the City of San Diego for an amount of not less than 10% of the total bid amount.
- 19.2. This check or bond, and the monies represented thereby, will be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into the contract and furnish the required final performance and payment bonds.
- 19.3. The Bidder agrees that in the event of the Bidder's failure to execute this contract and provide the required final bonds, the money represented by the cashier's or certified check will remain the property of the City; and the Surety agrees that it will pay to the City the damages, not exceeding the sum of 10% of the amount of the Bid, that the City may suffer as a result of such failure.
- 19.4. At the time of bid submission, bidders must upload and submit an electronic PDF copy of the aforementioned bid security. Whether in the form of a cashier's check, a properly certified check or an approved corporate surety bond payable to the City of San Diego, the bid security must be uploaded to the City's eBidding system. By 5PM, 3 working days after the bid opening date, all bidders must provide the City with the original bid security.
- 19.5. Failure to submit the electronic version of the bid security at the time of bid submission AND failure to provide the original by 5PM, 3 working days after the bid opening date shall cause the bid to be rejected and deemed **non-responsive**.

Due to circumstances related to Covid-19, until further notice, all original bid bond submittals must be received by 5 PM, 3 working days after bid opening.

Upon circumstances returning to normal business as usual, the original bid bond shall once again be due by 5 PM the day after bid opening.

Original Bid Bond shall be submitted to:
Engineering & Capital Projects Department, Contracts Division
525 B Street, Suite 750 (7th Floor)
San Diego, California, 92101
To the Attention of the Contract Specialist on the Front Page of this solicitation.

20. AWARD OF CONTRACT OR REJECTION OF BIDS:

- 20.1.** This contract may be awarded to the lowest responsible and reliable Bidder.
- 20.2.** Bidders shall complete ALL eBid forms as required by this solicitation. Incomplete eBids will not be accepted.
- 20.3.** The City reserves the right to reject any or all Bids, to waive any informality or technicality in Bids received, and to waive any requirements of these specifications as to bidding procedure.
- 20.4.** Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City within 3 Working Days of the bid opening, written notice from the Bidder which shows proof of honest, credible, clerical error of a material nature, free from fraud or fraudulent intent; and of evidence that reasonable care was observed in the preparation of the Bid.
- 20.5.** A bidder who is not selected for contract award may protest the award of a contract to another bidder by submitting a written protest in accordance with the San Diego Municipal Code.
- 20.6.** The City of San Diego will not discriminate in the award of contracts with regard to race, religion creed, color, national origin, ancestry, physical handicap, marital status, sex or age.
- 20.7.** Each Bid package properly signed as required by these specifications shall constitute a firm offer which may be accepted by the City within the time specified herein.
- 20.8.** The City reserves the right to evaluate all Bids and determine the lowest Bidder on the basis of the base bid and any proposed alternates or options as detailed herein.

21. BID RESULTS:

- 21.1.** The availability of the bids on the City's eBidding system shall constitute the public announcement of the apparent low bidder. In the event that the apparent low bidder is subsequently deemed non-responsive or non-responsible, a notation of such will be

made on the eBidding system. The new ranking and apparent low bidder will be adjusted accordingly.

- 21.2. To obtain the bid results, view the results on the City's web site, or request the results by U.S. mail and provide a self-addressed, stamped envelope. If requesting by mail, be sure to reference the bid name and number. The bid tabulations will be mailed to you upon their completion. The results will not be given over the telephone.

22. THE CONTRACT:

- 22.1. The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.
- 22.2. If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
- 22.3. If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.
- 22.4. Pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.
- 22.5. The award of the Contract is contingent upon the satisfactory completion of the above-mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee and approval as to form by the City Attorney's Office. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.

- 23. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK:** The Bidder shall examine carefully the Project Site, the Plans and Specifications, other materials as described in the Special Provisions, Section 3-9, "TECHNICAL STUDIES AND SUBSURFACE DATA", and the proposal forms (e.g., Bidding Documents). The submission of a Bid shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.
- 24. CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 24.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
 - 24.2.** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
 - 24.3.** The City of San Diego Municipal Code §22.3004 for Contractor Standards.
 - 24.4.** The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
 - 24.5.** Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
 - 24.6.** The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
 - 24.7.** The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.
- 25. PRE-AWARD ACTIVITIES:**
- 25.1.** The contractor selected by the City to execute a contract for this Work shall submit the required documentation as specified in the herein and in the Notice of Award. Failure to provide the information as specified may result in the Bid being rejected as **non-responsive**.
 - 25.2.** The decision that bid is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

Southwest Pipeline and Trenchless Corp., a corporation, as principal, and Liberty Mutual Insurance Company, a corporation authorized to do business in the State of California, as Surety, hereby obligate themselves, their successors and assigns, jointly and severally, to The City of San Diego a municipal corporation in the sum of Two Million Eight Hundred Thirty Two Thousand Three Hundred Forty Five Dollars and Zero Cents (\$2,832,345.00) for the faithful performance of the annexed contract, and in the sum of Two Million Eight Hundred Thirty Two Thousand Three Hundred Forty Five Dollars and Zero Cents (\$2,832,345.00) for the benefit of laborers and materialmen designated below.

Conditions:

If the Principal shall faithfully perform the annexed contract with the City of San Diego, California, then the obligation herein with respect to a faithful performance shall be void; otherwise it shall remain in full force.

If the Principal shall promptly pay all persons, firms and corporations furnishing materials for or performing labor in the execution of this contract, and shall pay all amounts due under the California Unemployment Insurance Act then the obligation herein with respect to laborers and materialmen shall be void; otherwise it shall remain in full force.

The obligation herein with respect to laborers and materialmen shall inure to the benefit of all persons, firms and corporations entitled to file claims under the provisions of Article 2. Claimants, (iii) public works of improvement commencing with Civil Code Section 9100 of the Civil Code of the State of California.

Changes in the terms of the annexed contract or specifications accompanying same or referred to therein shall not affect the Surety's obligation on this bond, and the Surety hereby waives notice of same.

The Surety expressly agrees that the City of San Diego may reject any contractor or subcontractor which may be proposed by Surety in fulfillment of its obligations in the event of default by the Principal.

The Surety shall not utilize the Principal in completing the improvements and work specified in the Agreement in the event the City terminates the Principal for default.

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND (continued)

Dated March 18, 2021

Approved as to Form

Mara W. Elliott, City Attorney

By [Signature]
Deputy City Attorney

Southwest Pipeline and Trenchless Corp.

Principal

By

[Signature]
JUSTIN P. DUCHAINEAU
PRESIDENT/TREASURER/RMO
SOUTHWEST PIPELINE AND
TRENCHLESS CORP.

Printed Name of Person Signing for Principal

Liberty Mutual Insurance Company

Surety

Approved:

By [Signature]
Stephen Samara
Principal Contract Specialist
Engineering & Capital Projects Department

By

[Signature]
Noemi Quiroz, Attorney-in-fact



790 The City Drive South Suite 200

Local Address of Surety

Orange, CA 92868

Local Address (City, State) of Surety

(714) 634-5720

Local Telephone No. of Surety

Premium \$ 23,399.00

Bond No. 024251540

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Los Angeles)

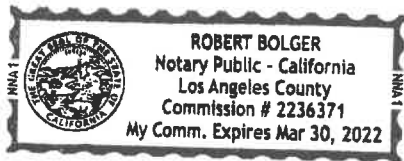
On 3-18-21 before me, Robert Bolger, Notary Public,
Date Here Insert Name and Title of the Officer

personally appeared Justin Duchaineau
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____
Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
 Corporate Officer -- Title(s): _____
 Partner -- Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

Signer's Name: _____
 Corporate Officer -- Title(s): _____
 Partner -- Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

Civil Code § 1189

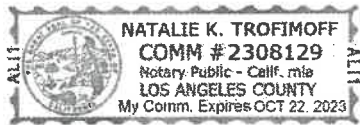
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

State of California)
) ss
County of Los Angeles)

On 3-18-21, before me, Natalie K. Trofimoff, Notary Public, personally appeared Noemi Quiroz, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



(Seal)

Signature: 
Natalie K. Trofimoff, Notary Public

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees. For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.



Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint Noemi Quiroz of the city of Los Angeles, state of CA its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge the following surety bond:

Principal Name: Southwest Pipeline and Trenchless Corp.
Obligee Name: The City of San Diego
Surety Bond Number: 024251540 Bond Amount: See Bond Form

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 12th day of March, 2021.



The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 12th day of March, 2021, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Kino of Prussia, Pennsylvania, on the day and year first above written.



Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2025
Commission number 126044
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, of Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company do hereby certify that this power of attorney executed by said Companies is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 18th day of March, 2021.



By: Renee C. Llewellyn
Renee C. Llewellyn, Assistant Secretary

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** The proposed Scope of Work for this project is the trenchless rehabilitation of 28,272 LF (5.35 miles) of existing 8-inch vitrified clay (VC) sewer mains. The project also includes 22 point repairs, rehabilitation/repair of 27 manholes, replacement of 6 manholes, installation of 24 new cleanouts, installation of 4 new manholes, rehabilitation of existing sewer laterals and installation of sewer lateral cleanouts at property line. The scope also includes paving and resurfacing along areas affected by trenching (point repairs, manhole replacements/repairs, new manholes, and new cleanouts).
 - 1.1. The Work shall be performed in accordance with:
 - 1.1.1. The Notice Inviting Bids, Appendix J, Sewer Mains Rehabilitation Spreadsheets, Appendix K, Sewer Manhole/Cleanout Rehabilitation Spreadsheets, Appendix L, Sewer Laterals Rehabilitation Spreadsheets, Appendix S, Curb Ramp Location Plans, Appendix T, Site Maps, Appendix U, Survey Monument Sheet, and Appendix V, Street Resurfacing Plans, inclusive.
2. **LOCATION OF WORK:** The location of the Work is as follows:

See **Appendix E – Location Map**.
3. **CONTRACT TIME:** The Contract Time for completion of the Work shall be **288 Working Days**.

ATTACHMENT B
PHASED FUNDING PROVISIONS

PHASED FUNDING PROVISIONS

1. PRE-AWARD

- 1.1. Within 10 Working Days of the Notice of Intent to Award, the Contractor must contact the Project Manager to discuss fund availability for each phase and shall also submit the following:
 - 1.1.1. Construction Cost Loaded Schedule in accordance with 6-1, "CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK" and 7-3, "PAYMENT."
- 1.2. Contractor's failure to perform any of the following may result cancelling the award of the Contract:
 - 1.2.1. Meeting with the City's Project Manager to discuss the Phased Funding Schedule.
 - 1.2.2. Agreeing to a Phased Funding Schedule within **thirty** days of meeting with the City's Project Manager.

2. POST-AWARD

- 2.1. Do not start any construction activities for the next phase until the Notice to Proceed (NTP) has been issued by the City. The City will issue a separate NTP for each phase.
- 2.2. The City may issue the NTP for a subsequent phase before the completion of the preceding phase.

PHASED FUNDING SCHEDULE AGREEMENT

The particulars left blank below, such as the total number of phases and the amounts assigned to each phase, will be completed with funding specific information from the Pre-Award Schedule and Construction Cost Loaded Schedule submitted to and approved by the City.

BID NUMBER: K-21-1988-DBB-3

CONTRACT OR TASK TITLE: Bay Ho Improvements

CONTRACTOR: Southwest Pipeline and Trenchless Corp.

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Clean and CCTV, Mainline Open Cut, Mainline Line (75%), Top Hats (75%), Lateral Rehab (50%).	NTP	June 2022	\$2,124,259.00
2	Mainline Line (25%), Top Hats (25%), Lateral Rehab (50%), Final Paving, Post CCTV	July 2022	NOC	\$708,086.00
Contract Total				\$2,832,345.00

Notes:

- 1) WHITEBOOK section 7-3.10, "Phased Funding Compensation" applies.
- 2) The total of all funding phases shall be equal to the TOTAL BID PRICE as shown on BID SCHEDULE 1 - PRICES.
- 3) This PHASED FUNDING SCHEDULE AGREEMENT will be incorporated into the CONTRACT and shall only be revised by written modifications to the CONTRACT.

CITY OF SAN DIEGO

PRINT NAME: Nabil Batta
Construction Senior Engineer

Signature: 

Date: 3/24/2021

PRINT NAME: Janice Jaro
Design Senior Engineer

Signature: 

Date: 03/24/2021

CONTRACTOR

PRINT NAME: Southwest Pipeline and Trenchless Corp.
Rob Bolger

Title: PM

Signature: 

Date: 3/24/21

ATTACHMENT C
RESERVED

ATTACHMENT D
PREVAILING WAGE

PREVAILING WAGE

1. **PREVAILING WAGE RATES:** Pursuant to San Diego Municipal Code section 22.3019, construction, alteration, demolition, repair and maintenance work performed under this Contract is subject to State prevailing wage laws. For construction work performed under this Contract cumulatively exceeding \$25,000 and for alteration, demolition, repair and maintenance work performed under this Contract cumulatively exceeding \$15,000, the Contractor and its subcontractors shall comply with State prevailing wage laws including, but not limited to, the requirements listed below.
 - 1.1. **Compliance with Prevailing Wage Requirements.** Pursuant to sections 1720 through 1861 of the California Labor Code, the Contractor and its subcontractors shall ensure that all workers who perform work under this Contract are paid not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations (DIR). This includes work performed during the design and preconstruction phases of construction including, but not limited to, inspection and land surveying work.
 - 1.1.1. Copies of such prevailing rate of per diem wages are on file at the City and are available for inspection to any interested party on request. Copies of the prevailing rate of per diem wages also may be found at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Contractor and its subcontractors shall post a copy of the prevailing rate of per diem wages determination at each job site and shall make them available to any interested party upon request.
 - 1.1.2. The wage rates determined by the DIR refer to expiration dates. If the published wage rate does not refer to a predetermined wage rate to be paid after the expiration date, then the published rate of wage shall be in effect for the life of this Contract. If the published wage rate refers to a predetermined wage rate to become effective upon expiration of the published wage rate and the predetermined wage rate is on file with the DIR, such predetermined wage rate shall become effective on the date following the expiration date and shall apply to this Contract in the same manner as if it had been published in said publication. If the predetermined wage rate refers to one or more additional expiration dates with additional predetermined wage rates, which expiration dates occur during the life of this Contract, each successive predetermined wage rate shall apply to this Contract on the date following the expiration date of the previous wage rate. If the last of such predetermined wage rates expires during the life of this Contract, such wage rate shall apply to the balance of the Contract.
 - 1.2. **Penalties for Violations.** Contractor and its subcontractors shall comply with California Labor Code section 1775 in the event a worker is paid less than the prevailing wage rate for the work or craft in which the worker is employed. This shall be in addition to any other applicable penalties allowed under Labor Code sections 1720 – 1861.

- 1.3. Payroll Records.** Contractor and its subcontractors shall comply with California Labor Code section 1776, which generally requires keeping accurate payroll records, verifying and certifying payroll records, and making them available for inspection. Contractor shall require its subcontractors to also comply with section 1776. Contractor and its subcontractors shall submit weekly certified payroll records online via the City's web-based Labor Compliance Program. Contractor is responsible for ensuring its subcontractors submit certified payroll records to the City.

 - 1.3.1.** Contractor and their subcontractors shall also furnish records specified in Labor Code section 1776 directly to the Labor Commissioner in the manner required by Labor Code section 1771.4.
- 1.4. Apprentices.** Contractor and its subcontractors shall comply with California Labor Code sections 1777.5, 1777.6 and 1777.7 concerning the employment and wages of apprentices. Contractor is held responsible for the compliance of their subcontractors with sections 1777.5, 1777.6 and 1777.7.
- 1.5. Working Hours.** Contractor and their subcontractors shall comply with California Labor Code sections 1810 through 1815, including but not limited to: (i) restrict working hours on public works contracts to eight hours a day and forty hours a week, unless all hours worked in excess of 8 hours per day are compensated at not less than 1½ times the basic rate of pay; and (ii) specify penalties to be imposed on contractors and subcontractors of \$25 per worker per day for each day the worker works more than 8 hours per day and 40 hours per week in violation of California Labor Code sections 1810 through 1815.
- 1.6. Required Provisions for Subcontracts.** Contractor shall include at a minimum a copy of the following provisions in any contract they enter into with a subcontractor: California Labor Code sections 1771, 1771.1, 1775, 1776, 1777.5, 1810, 1813, 1815, 1860 and 1861.
- 1.7. Labor Code Section 1861 Certification.** Contractor in accordance with California Labor Code section 3700 is required to secure the payment of compensation of its employees and by signing this Contract, Contractor certifies that "I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract."
- 1.8. Labor Compliance Program.** The City has its own Labor Compliance Program authorized in August 2011 by the DIR. The City will withhold contract payments when payroll records are delinquent or deemed inadequate by the City or other governmental entity, or it has been established after an investigation by the City or other governmental entity that underpayment(s) have occurred. For questions or assistance, please contact the City of San Diego's Prevailing Wage Unit at 858-627-3200.

- 1.9. Contractor and Subcontractor Registration Requirements.** This project is subject to compliance monitoring and enforcement by the DIR. A contractor or subcontractor shall not be qualified to bid on, be listed in a bid or proposal, subject to the requirements of section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.
- 1.9.1.** A Contractor's inadvertent error in listing a subcontractor who is not registered pursuant to Labor Code section 1725.5 in response to a solicitation shall not be grounds for filing a bid protest or grounds for considering the bid non-responsive provided that any of the following apply: (1) the subcontractor is registered prior to bid opening; (2) within twenty-four hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in Labor Code section 1725.5; or (3) the subcontractor is replaced by another registered subcontractor pursuant to Public Contract Code section 4107.
- 1.9.2.** By submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the DIR in compliance with Labor Code sections 1771.1 and 1725.5, and Contractor shall provide proof of registration for themselves and all listed subcontractors to the City at the time of bid or proposal due date or upon request.
- 1.10. Stop Order.** For Contractor or its subcontractors engaging in the performance of any public work contract without having been registered in violation of Labor Code sections 1725.5 or 1771.1, the Labor Commissioner shall issue and serve a stop order prohibiting the use of the unregistered contractors or unregistered subcontractor(s) on ALL public works until the unregistered contractor or unregistered subcontractor(s) is registered. Failure to observe a stop order is a misdemeanor.
- 1.11. List of all Subcontractors.** The Contractor shall provide the list of subcontractors (regardless of tier), along with their DIR registration numbers, utilized on this Contract prior to any work being performed; and the Contractor shall provide a complete list of all subcontractors with each invoice. Additionally, Contractor shall provide the City with a complete list of all subcontractors (regardless of tier) utilized on this contract within ten working days of the completion of the contract, along with their DIR registration numbers. The City shall withhold final payment to Construction Management Professional until at least thirty (30) days after this information is provided to the City.
- 1.12. Exemptions for Small Projects.** There are limited exemptions for installation, alteration, demolition, or repair work done on projects of \$25,000 or less. The

Contractor shall still comply with Labor Code sections 1720 et. seq. The only recognized exemptions are listed below:

- 1.12.1.** Registration. The Contractor will not be required to register with the DIR for small projects. (Labor Code section 1771.1).
- 1.12.2.** Certified Payroll Records. The records required in Labor Code section 1776 shall be required to be kept and submitted to the City of San Diego, but will not be required to be submitted online with the DIR directly. The Contractor will need to keep those records for at least three years following the completion of the Contract. (Labor Code section 1771.4).
- 1.12.3.** List of all Subcontractors. The Contractor shall not be required to hire only registered subcontractors and is exempt from submitting the list of all subcontractors that is required in section 1.11 above. (Labor code section 1773.3).

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS

SUPPLEMENTARY SPECIAL PROVISIONS

The following Supplementary Special Provisions (SSP) modifies the following documents:

1. The **2018 Edition** of the Standard Specifications for Public Works Construction (The "GREENBOOK").
2. The **2018 Edition** of the City of San Diego Standard Specifications for Public Works Construction (The "WHITEBOOK"), including the following:
 - a) General Provisions (A) for all Construction Contracts.

PART 0 – EQUAL OPPORTUNITY CONTRACTING PROGRAM (EOCP)

SECTION A – GENERAL REQUIREMENTS

0-12 CONTRACT RECORDS AND REPORTS. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall maintain records of all subcontracts and invoices from your Subcontractors and Suppliers for work on this project. Records shall show name, telephone number including area code, and business address of each Subcontractor, Supplier, and joint venture partner, and the total amount actually paid to each firm. Project relevant records, regardless of tier, may be periodically reviewed by the City.
2. You shall retain all records, books, papers, and documents pertinent to the Contract for a period of not less than 5 years after Notice of Completion and allow access to said records by the City's authorized representatives.
3. You shall submit the following reports using the City's web-based contract compliance (Prism® portal):
 - a) **Monthly Payment.** You shall submit Monthly Payment Reporting by the 10th day of the subsequent month. Incomplete and/or delinquent reporting may cause payment delays, non-payment of invoices, or both.
4. The records maintained under item 1, described above, shall be consolidated into a Final Summary Report, certified as correct by an authorized representative of the Contractor. The Final Summary Report shall include all subcontracting activities and be sent to the EOCP Program Manager prior to Acceptance. Failure to comply may result in assessment of liquidated damages or withholding of retention. The City will review and verify 100% of subcontract participation reported in the Final Summary Report prior to approval and release of final retention to you. In the event your Subcontractors are owed money for completed Work, the City may authorize payment to subcontractor via a joint check from the withheld retention.

SECTION 1 – GENERAL, TERMS, DEFINITIONS, ABBREVIATIONS, UNITS OF MEASURE, AND SYMBOLS

1-2 TERMS AND DEFINITIONS. To the “WHITEBOOK”, items 43, 56, 69, and 102, DELETE in their entirety and SUBSTITUTE with the following:

- 43. **Field Order** -A Field Order is a written agreement by the Engineer to compensate you for Work items in accordance with 2-8, “EXTRA WORK” or 2-9, “CHANGED CONDITIONS”. A Field Order does not change the Contract Price, Contract Time, or the scope intent of the Contract. The unused portion of the Field Order shall revert to the City upon Acceptance.
- 56. **Notice of Completion (NOC)** - A document recorded with the County of San Diego to signify that the Contract Work has been completed and accepted by the City.
- 69. **Punchlist** - A list of items of Work or corrections generated after a Walk-through that is conducted when you consider that the Work and Services are complete, and as verified by the Owner. The Punchlist may be completed in phases if defined in the Contract.
- 102. **Walk-through** - An inspection the City uses to verify the completion of the Project or phase of the Project and to generate a Punchlist prior to Acceptance.

To the “WHITEBOOK”, item 54, “Normal Working Hours”, ADD the following:

The **Normal Working Hours** are **8:30 AM to 3:30 PM**.

To the “WHITEBOOK”, ADD the following:

- 108. **Acceptance** – When all of the Contract Work, including all Punchlist items, is deemed officially complete by the City Asset Owning Department or Deputy City Engineer.
- 109. **Occupancy** – When the Owner deems a building is ready for use, the Owner will issue a certificate of Occupancy in writing.
- 110. **Substantial Completion** – When all Contract Work is deemed complete by the Contractor in writing, and as verified by the Owner. Substantial Completion may be completed in phases if defined in the Contract.

1-7.1.3 Requests for Information (RFI). To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

- 1. Should You discover a conflict, omission, errors in the Contract Documents, differences with existing field conditions, or have any questions concerning interpretation or clarification of Contract Documents, or when you propose deviations to the standards or design, you shall submit a Request for Information (RFI) to the City regarding your question or clarification within **1 Working Day**.

2. Your RFI shall meet the following requirements:
 - a) All RFIs, whether by You or your Subcontractor or supplier at any tier, shall be submitted by You to the City.
 - b) RFIs shall be numbered sequentially.
 - c) You shall clearly and concisely set forth the single issue for which interpretation or clarification is sought, indicate Specification Section numbers, Contract Drawing numbers, and details, or other items involved, and state why a response is required from the City.
 - d) RFIs shall be submitted within **1 Working Day** in order that they may be adequately researched and answered before the response affects any critical activity of the Work.
 - e) Should You believe that a response to an RFI causes a change to the requirements of the Contract, You shall, before proceeding, give written notice to the City, indicating that You believe that City response to the RFI to be a Change Order. Failure to give such written notice within **5 Working Days** of receipt of the City's response to the RFI shall waive Your right to seek additional time or cost.
3. The City will respond to RFIs within **5 Working Days** unless the City notifies You in writing that a response will take longer. The **5 Working Days** shall begin when the RFI is received and dated by the City. Responses from the City will not change any requirement of the Contract unless so noted by the City in the response to the RFI. The City will not issue a Change Order for Extra Work or additional time when the issue raised in the RFI was due to your fault, neglect, or any unauthorized deviations from the project design or specifications.
4. If You proceed in resolving a conflict, omission, or any error in the Contract Documents without sending the City an RFI in accordance with the requirements stated above, the City may require You to remove such work at Your cost or back charge You the cost to remove this work.

1-7.2 Contract Bonds. To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Before execution of the Contract, file payment and performance bonds with the City to be approved by the Board in the amounts and for the purposes noted. Bonds shall be executed by a responsible surety as follows:
 - a) If the Work is being funded with state or local money, consistent with California Code of Civil Procedure §995.670, the Surety shall be an "admitted surety" authorized by the State of California Department of Insurance to transact surety insurance in the State.
 - b) If the Work is being funded with federal money, the Surety shall be listed in the U.S. Treasury Department Circular 570 and shall be in conformance with the specified Underwriting Limitations.

To the "WHITEBOOK", item 2, subsection "a", subsection "i", DELETE in its entirety and SUBSTITUTE with the following:

- i. A "Payment Bond" (Materials and Labor Bond) is optional. If no bond is submitted, no payment shall be made until 35 Calendar Days after Acceptance and any lien requirements have been fulfilled. If a bond is submitted, progress payments shall be made in accordance with these Specifications.

To the "WHITEBOOK", item 2, subsection "d", DELETE in its entirety and SUBSTITUTE with the following:

- d) For Contracts over \$100,000:
 - i. A "Payment Bond" (Materials and Labor Bond) for 100% of the Contract Price to satisfy claims of material Suppliers and of mechanics and laborers employed on the Work. You shall maintain the bond in full force and effect until Acceptance and until all claims for materials and labor are paid and shall otherwise comply with the Government Code.
 - ii. A "Faithful Performance Bond" for 100% of the Contract Price to guarantee faithful performance of Work, within the time prescribed and in a manner satisfactory to the City, that materials and workmanship shall be free from original or developed defects.

To the "WHITEBOOK", item 7, DELETE in its entirety and SUBSTITUTE with the following:

7. You shall require the Surety to mail its standard "Bond Status" form to the Engineer at the following address:

Deputy Director
Construction Management and Field Engineering Division
9573 Chesapeake Drive San Diego, CA 92123

SECTION 3 – CONTROL OF THE WORK

3-2 SELF-PERFORMANCE. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall perform, with your own organization, Contract Work amounting to at least **50%** of the base Bid.

3-3 SUBCONTRACTORS. To the "WHITEBOOK", ADD the following:

6. When a Subcontractor fails to prosecute a portion of the Work in a manner satisfactory to the City, you shall remove such Subcontractor immediately upon written request of the City, and shall request approval of a replacement Subcontractor to perform the Work in accordance with California Public Contract Code (PCC), Subletting and Subcontracting, Section 4107, at no added cost to the City.

3-8.4 Supporting Information. To the "WHITEBOOK", ADD the following:

4. You shall collect and submit rehabilitation data spreadsheets along with monthly invoices for the following rehabilitation Work (see **Appendix O - Rehab Data Collection – Sewer Mains Sample Data Template, Appendix P - Rehab Data Collection – Manholes Sample Data Template, Appendix Q - Rehab Data Collection – Laterals Sample Data Template**).
 - a) Laterals
 - b) Sewer Mains
 - c) Manholes

3-8.7 Contractor's Quality Control Plan (QCP). To the "WHITEBOOK", ADD the following:

7. The establishment and implementation of a Quality Control Plan (QCP), as defined in the standard specifications, shall be required for this Contract. See example in **Appendix H - Sample Contractor's Daily Quality Control Inspection Report**.

3-8.7.1 QCP Submittal. To the "WHITEBOOK", item 2, DELETE in its entirety and SUBSTITUTE with the following:

2. The QCP shall be organized to address, at a minimum, the following items:
 - a) Quality Control Administrator
 - b) Surface preparation and paving schedule
 - c) Inspection and documentation requirements (Daily Quality Control Inspection Report)
 - d) Material quality control testing plan
 - e) Documentation of quality control activities
 - f) Procedures for corrective action when quality control and/or acceptance criteria are not met
 - g) If paving Work will be in areas prone to shade, provide curing time of product

3-8.7.4 Documentation. To the "WHITEBOOK", item 3, section "a", subsection "viii", DELETE in its entirety and SUBSTITUTE with the following:

- viii. Documentation that the following have been verified to be in compliance:
 - Proper storage of materials and equipment.
 - Proper operation of all equipment.
 - Adherence to plans and technical specifications.
 - Review of quality control tests.
 - Safety inspection.
 - Mixing properties of products against the approved submittal limits.

3-10 SURVEYING. To the "GREENBOOK" and "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

3-10 SURVEYING (DESIGN-BID-BUILD).

3-10.1 General.

1. You shall provide all required site layout and general grade checking work not specified in 3-10.2, "Survey Services Provided by City".
2. Notify the City, in writing, at least 2 Working Days prior to requesting survey services provided by the City.

3-10.2 Survey Services Provided by City.

1. Monument Perpetuation, including mark-outs. You are responsible for requesting the coordination of these services.
 - a) If at any time a monument will be destroyed or covered, such monument shall be perpetuated in accordance with state law. Inform the City Engineering Support & Technical Services Division's Land Survey Section (LSS), via project Resident Engineer, if any monument will be destroyed or covered during any construction activity.
2. The following surveying services (including construction staking), as defined in California Business & Professions Code §8726, shall be provided by the City:
 - a) Locating or establishing alignment or elevations of all features or structures shown on project Plans.
 - b) Locating or establishing geodetic control points for all site feature or structure locations.
 - c) Produce topographic as-built data.
 - d) Locating, establishing, or re-establishing monuments, property lines, right-of-way lines, or easement lines.
 - e) Verifying structure finish grade elevations.
3. All construction survey stakes, control points, and other survey related marks provided by the City shall be preserved for the duration of the Project. If any construction survey stakes, control points, or other survey related marks are lost or disturbed and need to be replaced, such replacement shall be performed at your expense.

3-10.3 Payment. The payment for site layout and general grade checking Work, coordination, and preservation of all survey related marks shall be included in the Contract Price.

3-13.1 Completion. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall submit a written assertion that the Work has been completed and is ready for Owner Acceptance. If, in the Engineer's judgment, the Work has been completed in accordance with the Contract Documents, the Engineer will set forth in writing the date the Work was completed.

This will be the date that you are relieved from responsibility to protect and maintain the Work and to which liquidated damages will be computed.

3-13.1.1 Requirements Before Requesting a Walk-through. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

3-13.1.1 Requirements Before Requesting Substantial Completion.

1. The following items are required prior to requesting a Substantial Completion:
 - a) Remove temporary facilities from the Site.
 - b) Thoroughly cleaning the Site and removing all mark outs and construction staking.
 - c) Provide completed and signed Red-lines in accordance with 3-7.3 "Redlines and Record Documents".
 - d) Provide all material and equipment maintenance and operation instructions and/or manuals.
 - e) Provide all tools which are permanent parts of the equipment installed in the Project.
 - f) Provide and properly identify all keys for construction and all keys for permanent Work.
 - g) Provide all final Special Inspection reports required by the applicable building Code.
 - h) Provide all items specified to be supplied as extra stock. Wrap, seal, or place in a container all items as necessary to allow for storage by the City for future use. Verify the specified quantities.
 - i) Ensure that all specified EOCP and certified wage rate documentations covering the Contract Time have been submitted.
 - j) If the Work includes installing an irrigation system, provide the spare parts for the proposed irrigation system as specified in the Special Provisions.
 - k) If the Work includes sewer and storm drain installations, the inspection shall include televising in accordance with 306-18, "VIDEO INSPECTION".
 - l) If the Work includes a Plant Establishment Period, Work in accordance with 801-6, "MAINTENANCE AND PLANT ESTABLISHMENT" shall be completed prior to requesting Substantial Completion, unless approved otherwise by the Owner.
 - m) Notify the Engineer to arrange a final inspection of any permanent BMPs installed.

3-13.1.2

Walk-through and Punchlist Procedure. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall notify the Engineer 15 Working Days in advance of date of anticipated Substantial Completion to allow time for Engineer to schedule a Walk-through. After you complete the requirements in 3-13.1.1, "Requirements Before Requesting Substantial Completion" and when you consider that the Work is Substantially Complete, you will notify the Engineer in writing that the Project is Substantially Complete. The Engineer will review your request and determine if the Project is ready for a Walk-through, by verifying whether you have completed all items as required by 3-13.1.1, "Requirements Before Requesting Substantial Completion". Within 7 Working Days, the City will either reject your request of a Walk-through in writing or schedule a Walk-through inspection. The Engineer shall facilitate the Walk-through.
2. The following documents shall be provided at the time of your Walk-through request: As-Built markup, Plans, specifications, technical data such as submittals and equipment manuals, draft final payment, warranties, material certifications, bonds, guarantees, maintenance service agreements, and maintenance and operating manuals.
3. Written warranties, except manufacturer's standard printed warranties, shall be on a letterhead addressed to you. Warranties shall be submitted in the format described in this section, modified as approved by the City, to suit the conditions pertaining to the warranty. Lack of submitting these items will delay start of Walk-through.
4. The Engineer will provide you with the Punchlist within 15 Working Days after the date of the Walk-through. The City shall not provide a preliminary Punchlist.
5. If the Engineer finds that the Project is not Substantially Complete as defined herein, the Engineer will terminate the Walk-through and notify you in writing.
6. If, at any time during the Engineer's evaluation of the corrective Work required by the Punchlist, the Engineer discovers that additional corrective Work is required, the Engineer may include that corrective Work in the Punchlist.
7. You shall remain solely responsible for the Project Site until the Project is completely operational, all Punchlist items have been corrected, and all operation and maintenance manuals have been accepted by the City.
8. The Engineer shall meet with you within 5 Working Days of notification that all Punchlist items are corrected. You shall complete the Punchlist within 30 Working Days, and Working Days will continue to be counted until Acceptance of the Project.

3-13.2 Acceptance. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall provide the completed, signed, and stamped DS-563 to the Engineer prior to Acceptance.
2. You shall deliver the final As-builts and final billing prior to Acceptance.
3. You shall assemble and deliver to the Engineer a Final Summary Report and Affidavit of Disposal prior to Acceptance.
4. Acceptance shall occur after all of the requirements contained in the Contract Documents have been fulfilled. If, in the Engineer's judgment, you have fully performed the Contract, the Engineer will recommend to the City Engineer that your performance of the Contract be accepted. You shall receive notification of Acceptance in writing from the Owner and counting of working days shall cease and Warranty begins.
5. Retention can be released 35 Calendar Days after NOC. Submit your request for retention to the Resident Engineer and they will mail to you a "Release of Claims" form which shall be completed and returned before the retention will be released.

3-13.3 Warranty. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall warranty and repair all defective materials and workmanship for a period of 1 year. This call back warranty period shall start on the date the Work was accepted by the City unless the City has Beneficial Use or takes Occupancy of the project earlier (excluding water, sewer, and storm drain projects).
2. You shall warranty the Work free from all latent defects for 10 years and patent defects for a period of 4 years.
3. The warranty period for specific items covered under manufacturers' or suppliers' warranties shall commence on the date they are placed into service at the direction of the Engineer in writing.
4. All express warranties from Subcontractors, manufacturers', or Suppliers', of any tier, for the materials furnished and Work performed shall be assigned, in writing, to the City, and shall be delivered to the Engineer prior to the Acceptance of your performance of the Contract.
5. Replace or repair defective materials and workmanship in a manner satisfactory to the Engineer after notice to do so from the Engineer and within the time specified in the notice. If you fail to make such replacements or repairs within the time specified in the notice, the City may perform the replacement or repairs at your expense. If you fail to reimburse the City for the actual costs, your Surety shall be liable for the cost

6. Items that shall be warranted free from defective workmanship and materials for a period longer than 1 year are as follows:

Specified Item	Minimum Warranty Period
Detectable Warning Tile Construction	3 Years of Manufacturer's Warranty
All Work Under SECTION 500 - PIPELINE REHABILITATION	3 Years
Fiber Optic Interconnect Cables	2 Years
Luminaires*	10 Years of Manufacturer's Warranty
LED Signal Modules	3 Years of Manufacturer's Warranty
Field Devices Associated with 700-6.3, "Adaptive Control Note"	See 700-6.3.9, "Warranty"

* Provide documentation verifying that the induction luminaire models being offered for the Project are covered by the 10-year warranty.

7. If installed, you shall provide the City and property owner a copy of the manufacturer's warranty for private sewer pumps, including the alarm panel and all other accessories.
- a) You shall involve the manufacturer in the installation and startup as needed to secure any extended warranty required.
 - b) Nothing in here is intended to limit any manufacturer's warranty which provides the City with greater warranty rights than set forth in this section or the Contract Documents.
 - c) The warranty shall include all components. The form of the warranty shall be approved by the Engineer in accordance with 3-13.3.2, "Warranty Format Requirements".
8. If, during the warranty period, any item of the Work is found to be Defective Work, you shall correct it promptly after receipt of written notice from the City to do so. The warranty period shall be extended with respect to portions of the Work corrected as part of the warranty requirements.

3-15.3 Coordination. To the "WHITEBOOK", ADD the following:

2. Other adjacent City projects are scheduled for construction for the same time period. See **Appendix G - Adjacent Projects Map** for the approximate locations. Coordinate the Work with the adjacent projects as listed below:
 - a) Water Group Job 970 CI, Project Manager Janice Jaro, Phone # 619-533-3851.
 - b) Accelerated Pipeline Rehabilitation 846, Project Manager Jamal Sherzai, Phone # 619-533-5241.

SECTION 4 - CONTROL OF MATERIALS

4-3.6 Preapproved Materials. To the "WHITEBOOK", ADD the following:

3. You shall submit in writing a list of all products to be incorporated in the Work that are on the AML.

4-6 TRADE NAMES. To the "WHITEBOOK", ADD the following:

11. You shall submit your list of proposed substitutions for an "equal" item **no later than 5 Working Days after the determination of the Apparent Low Bidder** and on the City's Product Submittal Form available at:

<https://www.sandiego.gov/ecp/edocref/>

SECTION 5 - LEGAL RELATIONS AND RESPONSIBILITIES

5-4 INSURANCE. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

5-4 INSURANCE.

1. The insurance provisions herein shall not be construed to limit your indemnity obligations contained in the Contract.

5-4.1 Policies and Procedures.

1. You shall procure the insurance described below, at its sole cost and expense, to provide coverage against claims for loss including injuries to persons or damage to property, which may arise out of or in connection with the performance of the Work by you, your agents, representatives, officers, employees or Subcontractors.
2. Insurance coverage for property damage resulting from your operations is on a replacement cost valuation. The market value will not be accepted.
3. You shall maintain this insurance for the duration of this Contract and at all times thereafter when you are correcting, removing, or replacing Work in accordance with this Contract. Your liabilities under the Contract, e.g., your indemnity obligations, is not deemed limited to the insurance coverage required by this Contract.
4. The payment for insurance shall be included in the Contract Price as bid by you. Except as specifically agreed to by the City in writing, you are not entitled to any additional payment. Do not begin any Work under this Contract until you have provided and the City has approved all required insurance.
5. Policies of insurance shall provide that the City is entitled to 30 Days (10 Days for cancellation due to non-payment of premium) prior written notice of cancellation or non-renewal of the policy. Maintenance of specified insurance coverage is a material element of the Contract. Your failure to maintain or renew coverage or to provide evidence of renewal during the term of the Contract may be treated by the City as a material breach of the Contract.

5-4.2 Types of Insurance.

5-4.2.1 Commercial General Liability Insurance.

1. Commercial General Liability Insurance shall be written on the current version of the ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad.
2. The policy shall cover liability arising from premises and operations, XCU (explosions, underground, and collapse), independent contractors, products/completed operations, personal injury and advertising injury, bodily injury, property damage, and liability assumed under an insured's contract (including the tort liability of another assumed in a business contract).
3. There shall be no endorsement or modification limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. You shall maintain the same or equivalent insurance for at least 10 years following completion of the Work.
4. All costs of defense shall be outside the policy limits. Policy coverage shall be in liability limits of not less than the following:

<u>General Annual Aggregate Limit</u>	<u>Limits of Liability</u>
Other than Products/Completed Operations	\$2,000,000
Products/Completed Operations Aggregate Limit	\$2,000,000
Personal Injury Limit	\$1,000,000
Each Occurrence	\$1,000,000

5-4.2.2 Commercial Automobile Liability Insurance.

1. You shall provide a policy or policies of Commercial Automobile Liability Insurance written on the current version of the ISO form CA 00 01 12 90 or later version or equivalent form providing coverage at least as broad in the amount of \$1,000,000 combined single limit per accident, covering bodily injury and property damage for owned, non-owned, and hired automobiles ("Any Auto").
2. All costs of defense shall be outside the limits of the policy.

5-4.2.3 Contractors Pollution Liability Insurance.

1. You shall procure and maintain at your expense or require your Subcontractor, as described below, to procure and maintain the Contractors Pollution Liability Insurance including contractual liability coverage to cover liability arising out of cleanup, removal, storage, or handling of hazardous or toxic chemicals, materials, substances, or any other pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit for bodily injury and property damage.

2. All costs of defense shall be outside the limits of the policy. Any such insurance provided by your Subcontractor instead of you shall be approved separately in writing by the City.
3. For approval of a substitution of your Subcontractor's insurance, you shall certify that all activities for which the Contractors Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance. The deductible shall not exceed \$25,000 per claim.
4. Contractual liability shall include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There shall be no endorsement or modification of the coverage limiting the scope of coverage for either "insured vs. insured" claims or contractual liability.
5. Occurrence based policies shall be procured before the Work commences and shall be maintained for the Contract Time. Claims Made policies shall be procured before the Work commences, shall be maintained for the Contract Time, and shall include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies that shall continue to be maintained for 12 months after the completion of the Work without advancing the retroactive date.
6. Except as provided for under California law, the policy or policies shall provide that the City is entitled to 30 Days prior written notice (10 Days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

5-4.2.4 Contractors Hazardous Transporters Pollution Liability Insurance.

1. You shall provide at your expense or require your Subcontractor to provide, as described below, Contractors Hazardous Transporters Pollution Liability Insurance including contractual liability coverage to cover liability arising out of transportation of hazardous or toxic, materials, substances, or any other pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit per occurrence/aggregate for bodily injury and property damage.
2. All costs of defense shall be outside the limits of the policy. The deductible shall not exceed \$25,000 per claim. Any such insurance provided by a subcontractor instead of you shall be approved separately in writing by the City.
3. For approval of the substitution of Subcontractor's insurance the Contractor shall certify that all activities for which Contractors Hazardous Transporters Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance.
4. Contractual liability shall include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There shall be no endorsement or modification of the coverage limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. Occurrence based policies shall be procured before the Work commences and shall be maintained for the duration of this Contract. Claims Made policies

shall be procured before the Work commences, shall be maintained for the duration of this contract, and shall include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies that shall continue to be maintained for 12 months after the completion of the Work under this Contract without advancing the retroactive date.

5. Except as provided for under California law, the policy or policies shall provide that the City is entitled to 30 Days prior written notice (10 Days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

5-4.3 Rating Requirements. Except for the State Compensation Insurance Fund, all insurance required by this Contract as described herein shall be carried only by responsible insurance companies with a rating of, or equivalent to, at least "A-, VI" by A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State, and that have been approved by the City.

5-4.3.1 Non-Admitted Carriers. The City will accept insurance provided by non-admitted, "surplus lines" carriers only if the carrier is authorized to do business in the State and is included on the List of Approved Surplus Lines Insurers (LASLI list).

All policies of insurance carried by non-admitted carriers shall be subject to all of the requirements for policies of insurance provided by admitted carriers described herein.

5-4.4 Evidence of Insurance. Furnish to the City documents e.g., certificates of insurance and endorsements evidencing the insurance required herein, and furnish renewal documentation prior to expiration of this insurance. Each required document shall be signed by the insurer or a person authorized by the insurer to bind coverage on its behalf. We reserve the right to require complete, certified copies of all insurance policies required herein.

5-4.5 Policy Endorsements.

5-4.5.1 Commercial General Liability Insurance.

5-4.5.1.1 Additional Insured.

1. You shall provide at your expense policy endorsement written on the current version of the ISO Occurrence form CG 20 10 11 85 or an equivalent form providing coverage at least as broad.
2. To the fullest extent allowed by law e.g., California Insurance Code §11580.04, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured.
3. The additional insured coverage for projects for which the Engineer's Estimate is \$1,000,000 or more shall include liability arising out of:
 - a) Ongoing operations performed by you or on your behalf,
 - b) your products,

- c) your Work, e.g., your completed operations performed by you or on your behalf, or
 - d) premises owned, leased, controlled, or used by you.
4. The additional insured coverage for projects for which the Engineer's Estimate is less than \$1,000,000 shall include liability arising out of:
- a) Ongoing operations performed by you or on your behalf,
 - b) your products, or
 - c) premises owned, leased, controlled, or used by you.

5-4.5.1.2 Primary and Non-Contributory Coverage. The policy shall be endorsed to provide that the coverage with respect to operations, including the completed operations, if appropriate, of the Named Insured is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives. Further, it shall provide that any insurance maintained by the City and its elected officials, officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

5-4.5.1.3 Project General Aggregate Limit. The policy or policies shall be endorsed to provide a Designated Construction Project General Aggregate Limit that will apply only to the Work. Only claims payments which arise from the Work shall reduce the Designated Construction Project General Aggregate Limit. The Designated Construction Project General Aggregate Limit shall be in addition to the aggregate limit provided for the products-completed operations hazard.

5-4.5.2 Commercial Automobile Liability Insurance.

5-4.5.2.1 Additional Insured. Unless the policy or policies of Commercial Auto Liability Insurance are written on an ISO form CA 00 01 12 90 or a later version of this form or equivalent form providing coverage at least as broad, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured, with respect to liability arising out of automobiles owned, leased, hired or borrowed by you or on your behalf. This endorsement is limited to the obligations permitted by California Insurance Code §11580.04.

5-4.5.3 Contractors Pollution Liability Insurance Endorsements.

5-4.5.3.1 Additional Insured.

1. The policy or policies shall be endorsed to include as an Insured the City and its respective elected officials, officers, employees, agents, and representatives, with respect to liability arising out of:
 - a) Ongoing operations performed by you or on your behalf,
 - b) your products,

- c) your work, e.g., your completed operations performed by you or on your behalf, or
- d) premises owned, leased, controlled, or used by you.

Except that in connection with, collateral to, or affecting any construction contract to which the provisions of subdivision (b) of § 2782 of the California Civil Code apply, this endorsement shall not provide any duty of indemnity coverage for the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives in any case where an agreement to indemnify the City and its respective elected officials, officers, employees, agents, and representatives would be invalid under subdivision (b) of §2782 of the California Civil Code.

- 2. In any case where a claim or loss encompasses the negligence of the Insured and the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives that are not covered because of California Insurance Code §11580.04, the insurer's obligation to the City and its respective elected officials, officers, employees, agents, and representatives shall be limited to obligations permitted by California Insurance Code §11580.04.

5-4.5.3.2 Primary and Non-Contributory Coverage. The policy or policies shall be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. Any insurance maintained by the City and its elected officials, officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

5-4.5.3.3 Severability of Interest. For Contractors Pollution Liability Insurance, the policy or policies shall provide that your insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability and shall provide cross-liability coverage.

5-4.5.4 Contractors Hazardous Transporters Pollution Liability Insurance Endorsements.

5-4.5.4.1 Additional Insured.

- 1. The policy or policies shall be endorsed to include as an Insured the City and its respective elected officials, officers, employees, agents, and representatives, with respect to liability arising out of:
 - a) Ongoing operations performed by you or on your behalf,
 - b) your products,
 - c) your work, e.g., your completed operations performed by you or on your behalf, or

d) premises owned, leased, controlled, or used by you.

Except that in connection with, collateral to, or affecting any construction contract to which the provisions of subdivision (b) of §2782 of the California Civil Code apply, this endorsement shall not provide any duty of indemnity coverage for the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives in any case where an agreement to indemnify the City and its respective elected officials, officers, employees, agents, and representatives would be invalid under subdivision (b) of §2782 of the California Civil Code.

2. In any case where a claim or loss encompasses the negligence of the Insured and the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives that are not covered because of California Insurance Code §11580.04, the insurer's obligation to the City and its respective elected officials, officers, employees, agents, and representatives shall be limited to obligations permitted by California Insurance Code §11580.04.

5-4.5.4.2 Primary and Non-Contributory Coverage. The policy or policies shall be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. Any insurance maintained by the City and its elected officials, officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

5-4.5.4.3 Severability of Interest. For Contractors Hazardous Transporters Pollution Liability Insurance, the policy or policies shall provide that your insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability and shall provide cross-liability coverage.

5-4.6 Deductibles and Self-Insured Retentions. You shall pay for all deductibles and self-insured retentions. You shall disclose deductibles and self-insured retentions to the City at the time the evidence of insurance is provided.

5-4.7 Reservation of Rights. The City reserves the right, from time to time, to review your insurance coverage, limits, deductibles and self-insured retentions to determine if they are acceptable to the City. The City will reimburse you, without overhead, profit, or any other markup, for the cost of additional premium for any coverage requested by the Engineer but not required by this Contract.

5-4.8 Notice of Changes to Insurance. You shall notify the City 30 Days prior to any material change to the policies of insurance provided under this Contract.

5-4.9 Excess Insurance. Policies providing excess coverage shall follow the form of the primary policy or policies e.g., all endorsements.

5-4.11 Workers' Compensation Insurance and Employers Liability Insurance.

1. In accordance with the provisions of §3700 of the California Labor Code, you shall provide at your expense Workers' Compensation Insurance and Employers Liability Insurance to protect you against all claims under applicable

state workers compensation laws. The City, its elected officials, and employees will not be responsible for any claims in law or equity occasioned by your failure to comply with the requirements of this section.

2. Limits for this insurance shall be not less than the following:

<u>Workers' Compensation</u>	<u>Statutory Employers Liability</u>
Bodily Injury by Accident	\$1,000,000 each accident
Bodily Injury by Disease	\$1,000,000 each employee
Bodily Injury by Disease	\$1,000,000 policy limit

3. By signing and returning the Contract you certify that you are aware of the provisions of §3700 of the Labor Code which requires every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code and you shall comply with such provisions before commencing the Work as required by §1861 of the California Labor Code.

5-4.11.1 Waiver of Subrogation. The policy or policies shall be endorsed to provide that the insurer will waive all rights of subrogation against the City and its respective elected officials, officers, employees, agents, and representatives for losses paid under the terms of the policy or policies and which arise from Work performed by the Named Insured for the City.

5-10.2.1 Public Notice by Contractor. To the "WHITEBOOK", items 2 and 3, DELETE in their entirety and SUBSTITUTE with the following:

2. No less than 5 Working Days in advance of Project construction activities and utility service interruptions, you shall notify all critical facilities, businesses, institutions, property owners, residents, or any other impacted stakeholders within a minimum 300-foot (90 m) radius of the Project. Verbal and written notifications shall be sent to critical facilities (including but not limited to police stations, fire stations, hospitals, and schools). A copy of written notifications sent to any critical facility shall also be sent to the Resident Engineer. You shall keep records of the people contacted, along with the dates of notification, and shall provide the record to the Engineer upon request. You shall identify all other critical facilities that need to be notified.
3. Furnish and distribute public notices in the form of door hangers using the City's format to all occupants and/or property owners along streets:
 - a) Where Work is to be performed at least Working 5 Working Days before starting construction or survey activities or impacting the community as approved by the Resident Engineer.
 - b) Within 5 Working Days of the completion of your construction activities where Work was performed, you shall distribute public notices in the

form of door hangers, which outlines the anticipated dates of Asphalt Resurfacing or Slurry Seal.

- c) 72 hours in advance of the scheduled resurfacing.

5-13 ELECTRONIC COMMUNICATION. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Virtual Project Manager shall be used on this Contract.
2. You shall post all communications addressed to the Engineer concerning construction including RFIs, submittals, daily logs including the Weekly Statement of Working Days (WSWD), Storm Water, and transmittals to the Virtual Project Manager (VPM) website established for the Projects. This shall not supersede any Federal requirements.
3. Maintain a list of scheduled activities including planned and actual execution dates for all major construction activities and milestones defined in the approved Schedule.
4. Review and act on all communications addressed to you in the VPM project website.
5. A user's guide to the VPM system is available on the City's website and shall be provided to you at the Pre-construction Meeting. Refer to the VPM training videos and forms at the location below:

<https://www.sandiego.gov/ecp/edocref/>
6. Submit the Sensitive Information Authorization Acknowledgement Form and VPM User Agreement located in the VPM user's guide at the Pre-construction Meeting.

5-15.1 General. To the "WHITEBOOK", item 10, DELETE in its entirety and SUBSTITUTE with the following:

10. If your construction activities have encountered flammable liquids or other hazardous substances, you shall ensure that construction staff have the required Hazardous Waste Operations and Emergency Response (HAZWOPER) certification. Construction staff shall include: City Engineers, City Laboratory Technicians, and City staff that perform onsite inspections.
 - a) If your Work encounters flammable liquids or other hazardous substances, you shall be responsible for scheduling training for all construction staff to attend and for submitting verification to the Engineer that construction staff have the required HAZWOPER certification prior to continuing that Work in that area. You shall maintain the HAZWOPER certifications annually until the construction

activities triggering the requirement is complete, as approved by the Resident Engineer.

SECTION 6 – PROSECUTION AND PROGRESS OF THE WORK

6-1.1 Construction Schedule. To the “WHITEBOOK”, item 1, subsection “e” and “s”, DELETE in their entirety and SUBSTITUTE with the following:

- e) Monthly progress payments are contingent upon the submittal of an updated Schedule to the Engineer. The Engineer may refuse to process the whole or part of any monthly payment if you refuse or fail to provide an acceptable schedule.
- s) Submit an updated cash flow forecast with every pay request (for each Project ID or WBS number provided in the Contract) showing periodic and cumulative construction billing amounts for the duration of the Contract Time. If there has been any Extra Work since the last update, include only the approved amounts.
 - i. Refer to the Sample City Invoice materials in **Appendix D – Sample City Invoice with Cash Flow Forecast** and use the format shown.
 - ii. See also the “Cash Flow Forecast Example” at the location below:

<https://www.sandiego.gov/ecp/edocref/>

6-1.5.2 Excusable Non-Compensable Delays. To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

6-1.5.2 Excusable Non-Compensable and Concurrent Delays.

1. The City shall only issue an extension of time for Excusable Delays that meet the requirements of 6-4.2, “Extensions of Time” for the following circumstances:
 - a) Delays resulting from Force Majeure.
 - b) Delays caused by weather.
 - c) Delays caused by changes to County, State, or Federal law.
2. When a non-excusable delay is concurrent with an Excusable Delay, you shall not be entitled to an extension of Contract Time for the period the non-excusable delay is concurrent with the Excusable Delay.
3. When an Excusable Non-Compensable Delay is concurrent with an Excusable Compensable Delay, you shall be entitled to an extension of Contract Time, but shall not be entitled to compensation for the period the Excusable Non-Compensable Delay is concurrent with the Excusable Compensable Delay.

6-2.1

Moratoriums. To the “WHITEBOOK”, ADD the following:

3. Do not Work in the areas where there is currently a moratorium issued by the City. The areas subject to moratorium are listed below:

Note: Other Slurry Moratorium. Note: “There will be no trenching on any of these locations unless Moratorium expires in 2021.

- a) Map Sheet 1 – Slurry Moratorium @ Courser Ave (5/14/18 to 5/14/21) (inclusive).
- b) Map Sheet 1 – Slurry Moratorium @ Barrow St (5/14/18 to 5/14/21) (inclusive).
- c) Map Sheet 3 and 4 - Slurry Moratorium @ Cadden Wy (10/3/18 to 10/3/23)
- d) Map Sheet 3 and 4 – Slurry Moratorium @ Raffee Dr (10/5/18 to 10/5/23)
- e) Map Sheet 3 and 4 – Slurry Moratorium @ North Star Dr (10/3/18 to 10/3/23)
- f) Map Sheet 5 – Slurry Moratorium @ Driscoll Dr (12/12/18 to 12/12/21)
- g) Map Sheet 5 – Slurry Moratorium @ Brillden Ct (12/3/18 to 12/3/23)
- h) Map Sheet 6 – Slurry Moratorium @ Moraga Ave (4/30/18 to 4/30/21)
- i) Map Sheet 6 – Slurry Moratorium @ Moraga Ct (4/18/18 to 4/18/23)
- j) Map Sheet 6 – Slurry Moratorium @ Tacoma St (4/30/18 to 4/30/21)
- k) Map Sheet 7 – Slurry Moratorium @ Moraga Ave (4/30/18 to 4/30/21)
- l) Map Sheet 8 – Slurry Moratorium @ Gros Ventre Ave (12/21/17 to 12/21/20)
- m) Map Sheet 8 – Slurry Moratorium @ Ecochee Ave (12/22/17 to 12/22/20)
- n) Map Sheet 8 – Slurry Moratorium @ Forney Ave (12/21/17 to 12/21/20)
- o) Map Sheet 8 – Slurry Moratorium @ Epanow Ave (1/4/18 to 1/4/21)
- p) Map Sheet 8 – Slurry Moratorium @ Datcho Dr (12/21/17 to 12/21/20)
- q) Map Sheet 8 – Slurry Moratorium @ Fox Ave (1/3/18 to 1/3/21)
- r) Map Sheet 9 – Slurry Moratorium @ Zed St (12/21/17 to 12/21/20)
- s) Map Sheet 9 – Slurry Moratorium @ Boone St (12/22/17 to 12/22/20)
- t) Map Sheet 9 – Slurry Moratorium @ Boone St (1/21/18 to 1/21/21)

6-3

TIME OF COMPLETION. To the “WHITEBOOK”, ADD the following:

1. You shall complete the liner installation of all segments of sewer mains and the lateral reinstatements as verified by the Engineer within **174 Working**

Days from the date of NTP. Complete the remaining Work as part of this project, including lateral lining and post-lining CCTV video, within the remaining number of Working Days.

6-4.2 Extensions of Time. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The Contract Time shall not be modified except by Change Order.
2. You shall notify the City in writing within **1 Working Day** after the occurrence and discovery of an event that impacts the Project Schedule.
 - a) If you believe this event requires a Change Order, you shall submit a **written Change Order request with a report to** the City that explains the request for Change Order within **5 Working Days**. The Change Order request must include supporting data, a general description of the discovery, the basis for extension, and the estimated length of extension. The City may grant an extension of time, in writing, for the Change Order request if you require more time to gather and analyze data.
3. The Engineer shall not grant an extension of Contract Time in accordance with 6-1.5, "Excusable Delays" unless you demonstrate, through an analysis of the critical path, the following:
 - a) The event causing the delay impacted the activities along the Project's critical path.
 - b) The increases in the time to perform all or part of the Project beyond the Contract Time arose from unforeseeable causes beyond your control and without your fault or negligence and that all project float has been used.
4. Any modifications to the Contract Time will be incorporated into the weekly document that the Engineer issues that stipulates the Contract Time. If you do not agree with this document, submit to the Engineer for review a written protest supporting your objections to the document within **30 Calendar Days** after receipt of the statement. Your failure to file a timely protest shall constitute your acceptance of the Engineer's weekly document.
 - a) Your protest will be considered a claim for time extension and shall be subject to 2-10.1, "Claims".

6-4.4 Written Notice and Report. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Your failure to notify the Resident Engineer within **1 Working Day** OR provide a Change Order request within **5 Working Days** after the event, in accordance

with 6-4.2, "Extensions of Time", will be considered grounds for refusal by the City to consider such request if your failure to notify prejudices the City in responding to the event.

**ADD:
6-6.1.1**

Environmental Document.

1. The City of San Diego has prepared a **Notice of Exemption** for **Bay Ho Improvements 1**, Project No. **B-19088.02.06**, as referenced in the Contract Appendix. You shall comply with all requirements of the **Notice of Exemption** as set forth in **Appendix A**.
2. Compliance with the City's environmental document shall be included in the Contract Price, unless separate bid items have been provided.

SECTION 7 – MEASUREMENT AND PAYMENT

7-3.1

General. To the "GREENBOOK" and "WHITEBOOK", paragraph (8), DELETE in its entirety and SUBSTITUTE with the following:

If, within the time fixed by law, a properly executed notice to stop payment is filed with the City, due to your failure to pay for labor or materials used in the Work, all money due for such labor or materials will be withheld from payment in accordance with applicable laws.

To the "WHITEBOOK", ADD the following:

1. Unless specified otherwise, the Contract Price includes use, consumer, and other taxes mandated by applicable legal requirements.
2. As provided in §7105 of the California Public Contract Code, if the Contract is not financed by revenue bonds, you are not responsible for the cost of repairing or restoring damage to the Project when damage was proximately caused by an act of God, in excess of 5% of the Contract Price, if the following occur:
 - a) The Project damaged was built in accordance with the Contract requirements.
 - b) There are no insurance requirements in the Contract for the damages.

7-3.2

Partial and Final Payment. To the "GREENBOOK", paragraph (3), DELETE in its entirety and SUBSTITUTE with the following:

Upon commencement of the Work, an escrow account shall be established in a financial institution chosen by you and approved by the City. Documentation for an escrow payment shall have an escrow agreement signed by you, the City, and the escrow agent. From each progress payment, no less than 5% will be deducted and deposited by the City into the escrow account. Upon completion of the Contract, the City will notify the Escrow agent in writing to release the funds to you. Only the

designated representative of the City shall sign the request for the release of Escrow funds.

To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. The Final Payment, which is the release of Retention, shall be paid to you after you have successfully submitted the following required documents:
 - a) An affidavit that payrolls and bills for materials, equipment, and other indebtedness connected with the Work for which the City or the City's property might be responsible for or encumbered by.
 - b) A certificate evidencing that insurances required by the Contract Documents shall remain in force after Final Payment is currently in effect and shall not be canceled or allowed to expire until at least a 30 Calendar Days prior written notice has been given to the Engineer.
 - c) Consent of Surety to Final Payment.
 - d) If required by the Engineer, other data establishing payment or satisfaction of obligations such as receipts, releases and waivers of liens, claims, and security interests or encumbrances arising out of the Contract Documents. If a Subcontractor refuses to furnish a release or waiver required by the City, you may furnish a bond satisfactory to the Engineer to indemnify the City against such lien.
 - e) If required in the Contract Documents, the successful completion and submittal of the required reports such as construction demolition, waste recycling, and hydrostatic discharge reports.
 - f) Required EOCP Final Summary Report in accordance with Section 0-12, "Contract Records and Reports", record drawings, operations manuals, test reports, warranty documentation, and UL labels shall be submitted before requesting the release of retention.
 - g) Acceptance of the completed Project by the asset owning Department.

To the "WHITEBOOK", ADD the following:

2. Submit an invoice for payment after you successfully complete the required documents and the City will pay the invoice within 30 Calendar Days. The City will pay 6% annually for late retention payments.

7-3.2.1 Application for Progress Payment. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. The City shall not pay progress or partial payments until you submit to the Engineer an acceptable updated Schedule. It is solely your responsibility to prepare and submit the Schedule updates.

7-3.2.2 Amount of Progress Payments. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The City will pay 6% annually for late progress payments.

2. Progress payments will be considered "late" if the following occur:
 - a) The City does not pay the contractor within 30 Calendar Days from receipt of an undisputed and properly submitted invoice. A properly submitted payment invoice means that the City has approved for payment the entire invoice amount or if the Resident Engineer has not disputed any portion of the application within 7 Calendar Days of the date of submission.
 - b) The application for payment does not require signing of a Contract Change Order.

3. The Engineer may withhold payment for any of the following reasons:
 - a) Defective or incomplete Work.
 - b) Not providing an updated and accurate Cost Loaded Construction Schedule in accordance with 6-1.1, "Construction Schedule".
 - c) Stop notices, wage orders, or other withholdings required by Applicable Law. Your failure to comply with 5-3.3, "Payroll Records" and the Contractor Registration and Electronic Reporting System requirements of the Contract Documents.

4. The Engineer may back charge the contract for any of the following reasons:
 - a) Defective or incorrect Work not remedied.
 - b) Damage to City property or a third party's property that was caused by you.
 - c) Liquidated Damages.

7-3.2.3 Waiver of Claims at Final Payment. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Your acceptance of Final Payment constitutes a waiver of affirmative Claims by you, except those previously made in writing and identified as unsettled at the time of Final Payment.

7-3.2.4 Withholding of Payment and Back Charge. To the "WHITEBOOK", DELETE in its entirety.

7-3.5.1 General. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Unit Bid prices shall not be subject to adjustment regardless of quantity used, or if none is used, for the following Bid items:
 - a) imported backfill
 - b) shoring

- c) water services
 - d) house connection sewers
 - e) water pollution control items
2. Upon discovery and prior to the Work, you shall notify the Resident Engineer if there is a change in Bid item quantity that increases the total Contract Price by 5% or \$100,000 or more, whichever is less.

7-3.9 Field Orders. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. If the cumulative total of Field Order items of Work does not exceed the "Field Orders" Bid Item, the City shall pay those Field Orders as shown below:

**TABLE 7-3.9
FIELD ORDER LIMITS**

Contract Price	Maximum Field Order Work Amount
Less than \$100,001	\$2,500
\$100,001 to \$1,000,000	\$5,000
\$1,000,001 to \$5,000,000	\$10,000
\$5,000,001 to \$15,000,000	\$20,000
\$15,000,001 to \$30,000,000	\$40,000
Greater than \$30,000,000	\$50,000

2. Field Order items of Work for contracts greater than \$15,000,000 will require additional approvals from the City prior to its approval by the Resident Engineer.
3. The City will issue a Field Order only after the City's acceptance of the cost of the field order amount.
4. Field Orders shall not be used to add scope or to include extensions of time related to changes in work.
5. If in the event there is a change related to the critical path on the project which necessitates an extension of time and the change amount is within the Field Order limits shown on Table 7-3.9, then a Field Order can be issued to compensate you for the approved costs. Any extensions of time associated with the change shall be included in a subsequent Change Order and no

additional compensation shall be granted as part of the change order for the extension of time.

6. The unused portions of Field Orders Bid item shall revert to the City upon Acceptance.

7-3.11 Compensation Adjustments for Price Index Fluctuations. To the "WHITEBOOK", ADD the following:

5. This Contract is not subject to the provisions of The "WHITEBOOK" for Compensation Adjustments for Price Index Fluctuations for paving asphalt.

7-4.3 Markup. To the "WHITEBOOK", item 4, DELETE in its entirety and SUBSTITUTE with the following:

4. When a Subcontractor is performing Extra Work, the allowance for overhead and profit shall be applied to the labor, materials, and equipment costs of the Subcontractor as follows:
 - a) Regardless of the number of a Subcontractor's tasks for Extra Work, you may only apply 10% for the first \$50,000 of the Subcontractor's portion of accumulated total cost then 5% for any remaining costs. You shall not apply 10% to any costs after the first \$50,000 of accumulated total costs from performing Extra Work.
 - b) If the accumulated costs of single or subsequent tasks exceed the \$50,000 threshold, you shall instead only apply 5% to any amounts in excess of the \$50,000.
 - c) Regardless of the number of hierarchical tiers of Subcontractors, you may only markup a Subcontractor's Work once.

SECTION 203 – BITUMINOUS MATERIALS

203-6.3.1 General. To the "WHITEBOOK", ADD the following:

3. Asphalt concrete for Job Mix Formula (JMF) and Mix Designs shall be Type III and shall not exceed 15% RAP.

SECTION 301 – SUBGRADE PREPARATION, TREATED MATERIALS, AND PLACEMENT OF BASE MATERIALS

301-1.6 Preparatory Repair Work. To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Prior to the placement of any asphalt concrete or application of slurry, you shall complete all necessary preparation and repair Work and shall obtain approval by the Resident Engineer.

ADD the following:

13. Asphalt concrete shall be Type III and shall not exceed 15% RAP in accordance with 203-6.3.1, "General".

SECTION 302 – ROADWAY SURFACING

302-4.5 Scheduling, Public Convenience and Traffic Control. To the “GREENBOOK”, paragraphs (1) and (2), DELETE in their entirety and SUBSTITUTE with the following:

1. In addition to the requirements of Part 6, you shall comply with the following:
 - a) At least 5 Working Days prior to commencing the Work, you shall submit your proposed Schedule to the Engineer for approval.
 - b) Based upon the approved schedule, you shall notify residents and businesses of the Work and post temporary “No Parking” signs 72 hours in advance.
 - c) Requests for changes in the approved Schedule shall be submitted to the Engineer for approval at least 3 Working Days before the street is scheduled to be sealed.

302-4.12.2 Application. To the “WHITEBOOK”, item 1, ADD the following:

- c) RPMS shall only be placed when ambient temperature is 50° F or higher.

SECTION 303 – CONCRETE AND MASONRY CONSTRUCTION

303-5.1.1 General. To the “WHITEBOOK”, ADD the following:

7. For the purposes of this section, the terms “walk” and “access ramp” shall be synonymous with “sidewalk” and “curb ramp and pedestrian ramp”, respectively.

303-5.10.2 Payment. To the “WHITEBOOK”, ADD the following:

4. The payment for completely removing and replacing the existing concrete spandrel of a cross gutter associated with curb ramp installations, in accordance with SDG-131 - General Curb Ramp Notes, and as identified on the Plans, shall be included in the payment for the curb ramp. No additional costs shall be incurred when separate Bid items for cross gutters has been provided.
5. The payment for completely removing and replacing the existing concrete alley apron associated with curb ramp installations, in accordance with SDG-131 - General Curb Ramp Notes, and as identified on the Plans, shall be included in the payment for the Curb Ramp installation. No additional costs shall be incurred when separate Bid items for alley aprons has been provided.

SECTION 306 – OPEN TRENCH CONDUIT CONSTRUCTION

306-8.9.2.3 Allowable Leakage. To the “GREENBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. For prefabricated pressure pipe testing requirements, refer to prefabricated gravity pipe pressure testing requirements in 306-7.8.2, “Pressure Testing and Leakage Inspection”.

306-16.6 Payment. To the WHITEBOOK, ADD the following:

6. The payment for replacing manhole in place shall be included in the Bid Item “Replace Manhole” and shall include all necessary labor, materials and

equipment including but not limited to: installation of new manhole, including the polymer mortar, liner, and/or coating and installation of locking device, when required. The payment shall also include removal and disposal of existing manhole, excavation, import backfill and pavement resurfacing.

306-18.5 Video Inspection Submittals. To the "WHITEBOOK", item 1, subsection "h", DELETE in its entirety and SUBSTITUTE with the following:

- h) **Post-rehabilitation Videos** - Post-rehabilitation videos shall be submitted within 30 Calendar Days of the completion of the Work in phases not to exceed 2 mile increments. The final video recording shall clearly show the condition of the liner with ends sealed at the manholes, service laterals, and connection seals. The submittal of this final video recording shall also include MS Access database and marked up Field Book pages or Plans as attachments.

306-18.7 Payment. To the "WHITEBOOK", ADD following:

- 5. The payment for post-rehabilitation videos shall be included in the associated Bid items provided, regardless of the number of phased videos required at 2 mile increments.

SECTION 402 – UTILITIES

402-2 PROTECTION. To the "WHITEBOOK", item 2, ADD the following:

- g) Refer to **Appendix M - Advanced Metering Infrastructure (AMI) Device Protection** for more information on the protection of AMI devices.

SECTION 500 – PIPELINE REHABILITATION

500-1 GENERAL. To the "WHITEBOOK", ADD the following:

- 4. Any Cured-in-Place Pipe (CIPP) lining Work within a 1000 foot radius from school areas shall first be coordinated with the school and shall be performed outside of school hours at no expense to the City.

500-2.1 Initial Submittals. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

- 1. You shall submit the following required information at the time of Bid Opening:
 - a) Contractor's Experience and Past Project Documentation.
 - i. You shall submit documentation that you have performed similar main rehabilitation projects (of scope and size) successfully within the last 10 years in the United States. The scope shall include the same product, installation, and curing. The proposed product shall have at least 5 years or more of documented performance records.
 - ii. Your superintendent shall be assigned full time to this project and shall be present at the Site while Work is being performed. If CIPP is used, the superintendent shall have documentation conveying experience with the proposed resin and felt

combination used and the installation of the proposed lateral sealing system with the pipe lining system.

- b) Authorized Installer.
 - i. The installation of the lining system shall be performed by a contractor authorized, certified, or both by the manufacturer or owner of the process.
 - ii. You shall submit a copy of the authorizations, certifications, or both from all manufacturers listed on the City's Approved Material List (AML) that will be used for the Work that includes the name, address, point of contact, and telephone number of the manufacturer.

SECTION 601 - TEMPORARY TRAFFIC CONTROL FOR CONSTRUCTION AND MAINTENANCE WORK ZONES

601-2.1.4 Traffic Control for Resurfacing and Slurry Sealing. To the "WHITEBOOK", item 3, subsection "d", DELETE in its entirety and SUBSTITUTE with the following:

- d) Place "NO PARKING - TOW-AWAY ZONE" signs 72 hours in advance of the scheduled slurry sealing. Reschedule street block segments which are not completed by the last posted Working Day. If a Work delay of 48 hours or more occurs from the originally scheduled Work date, remove the "NO PARKING - TOW-AWAY ZONE" signs for a minimum of 24 hours, then reset and re-post for the appropriate Work date.

601-3.5.1 General. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

- 3. Temporary "No Parking" and "No Stopping" signs shall be installed 72 hours before enforcement. Temporary "No Parking" and "No Stopping" signs shall be installed and removed as specified in the Special Provisions. Signs shall indicate specific days, dates, and times of restrictions. If violations occur, call Police Dispatch 619-531-2000 to enforce the Tow-Away notice.

601-3.6 Channelizing Devices. To the "WHITEBOOK", item 4, Barricades, ADD the following:

- h) You shall place "OPEN TRENCH" signs (C27(CA)) on Type 3 Barricade within the construction Work zone, ahead of any Work areas with open trenches that are greater than 3 inches in depth, in accordance with California MUTCD SECTION 6F.103 (CA). The barricades shall be placed in a continuous manner and shall prevent pedestrian, vehicular, and biker access to the open trench area.

SECTION 1001 - CONSTRUCTION BEST MANAGEMENT PRACTICES (BMPs)

1001-1 GENERAL. To the "WHITEBOOK", ADD the following:

- 7. Based on a preliminary assessment by the City, this Contract is subject to **WPCP**.

SUPPLEMENTARY SPECIAL PROVISIONS
APPENDICES

APPENDIX A
NOTICE OF EXEMPTION

NOTICE OF EXEMPTION

(Check one or both)

TO: Recorder/County Clerk
P.O. Box 1750, MS A-33
1600 Pacific Hwy, Room 260
San Diego, CA 92101-2400

FROM: City of San Diego
Public Works Department
525 B Street, Suite 750, MS 908A
San Diego, CA 92101

Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

Project Name: Bay Ho Improvements 1

WBS No.: B-19088.02.06

Project Location-Specific: The project area is bounded by Jutland Drive to the north, Morena Drive to the west, Balboa Avenue to the south, and Clairemont Drive to the east within the Clairemont Mesa Community Planning Area (Council District 2).

Project Location-City/County: San Diego/San Diego

Description of nature and purpose of the Project: The project will rehabilitate approximately 30,784 liner-feet (LF) and abandon 133 LF of 8-inch diameter vitrified clay sewer mains; rehabilitate approximately 814 sewer laterals; conduct approximately 32 sewer main point repairs; repair or rehabilitate approximately 27 manholes; replace approximately six (6) manholes; install approximately four (4) new manholes; install approximately 26 new cleanouts; and install approximately three (3) curb ramps and other improvements compliant with the Americans with Disabilities Act (ADA), as necessary. Additional sewer main point repairs will also be incorporated, as necessary. All repair and resurface work will occur within existing right-of-way.

Name of Public Agency Approving Project: City of San Diego

Name of Person or Agency Carrying Out Project: City of San Diego Public Works
Contact: Jerry Jakubauskas, Senior Planner
Phone: (619) 533-3755
525 B Street, San Diego, CA 92101

Exempt Status: (CHECK ONE)

- Ministerial (Sec. 21080(b)(1); 15268)
- Declared Emergency (Sec. 21080(b)(3); 15269(a))
- Emergency Project (Sec. 21080(b)(4); 15269 (b)(c))
- Categorical Exemption: 15301 (Existing Facilities); and 15302 (Replacement or Reconstruction)
- Statutory Exemption:

Reasons why project is exempt: The City of San Diego conducted an environmental review which determined that the project meets the categorical exemption criteria set forth in CEQA State Guidelines 15301 (Existing Facilities) which applies to the repair and maintenance of existing public or private structures, facilities, or topographic features; Section 15302 (Replacement or Reconstruction) which applies to replacement or reconstruction of existing structures and facilities; and where the exceptions listed in Section 15300.2 would not apply.

Lead Agency Contact Person: Jerry Jakubauskas

Telephone: (619) 533-3755

Revised May 2016

Bay Ho Improvements
Appendix A - Notice of Exemption

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a notice of exemption been filed by the public agency approving the project? () Yes () No

It is hereby certified that the City of San Diego has determined the above activity to be exempt from CEQA.

for 

Carrie Purcell, Assistant Deputy Director



Date

Check One:

- (X) Signed By Lead Agency
- () Signed by Applicant

Date Received for Filing with County Clerk or OPR:

APPENDIX B
FIRE HYDRANT METER PROGRAM

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 1 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

1. **PURPOSE**

1.1 To establish a Departmental policy and procedure for issuance, proper usage and charges for fire hydrant meters.

2. **AUTHORITY**

2.1 All authorities and references shall be current versions and revisions.

2.2 San Diego Municipal Code (NC) Chapter VI, Article 7, Sections 67.14 and 67.15

2.3 Code of Federal Regulations, Safe Drinking Water Act of 1986

2.4 California Code of Regulations, Titles 17 and 22

2.5 California State Penal Code, Section 498B.0

2.6 State of California Water Code, Section 110, 500-6, and 520-23

2.7 Water Department Director

Reference

2.8 State of California Guidance Manual for Cross Connection Programs

2.9 American Water Works Association Manual M-14, Recommended Practice for Backflow Prevention

2.10 American Water Works Association Standards for Water Meters

2.11 U.S.C. Foundation for Cross Connection Control and Hydraulic Research Manual

3. **DEFINITIONS**

3.1 **Fire Hydrant Meter:** A portable water meter which is connected to a fire hydrant for the purpose of temporary use. (These meters are sometimes referred to as Construction Meters.)

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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 2 OF 10	EFFECTIVE DATE October 15, 2002
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- 3.2 **Temporary Water Use:** Water provided to the customer for no longer than twelve (12) months.
- 3.3 **Backflow Preventor:** A Reduced Pressure Principal Assembly connected to the outlet side of a Fire Hydrant Meter.

4. **POLICY**

- 4.1 The Water Department shall collect a deposit from every customer requiring a fire hydrant meter and appurtenances prior to providing the meter and appurtenances (see Section 7.1 regarding the Fees and Deposit Schedule). The deposit is refundable upon the termination of use and return of equipment and appurtenances in good working condition.
- 4.2 Fire hydrant meters will have a 2 ½" swivel connection between the meter and fire hydrant. The meter shall not be connected to the 4" port on the hydrant. All Fire Hydrant Meters issued shall have a Reduced Pressure Principle Assembly (RP) as part of the installation. Spanner wrenches are the only tool allowed to turn on water at the fire hydrant.
- 4.3 The use of private hydrant meters on City hydrants is prohibited, with exceptions as noted below. All private fire hydrant meters are to be phased out of the City of San Diego. All customers who wish to continue to use their own fire hydrant meters must adhere to the following conditions:
 - a. Meters shall meet all City specifications and American Water Works Association (AWWA) standards.
 - b. Customers currently using private fire hydrant meters in the City of San Diego water system will be allowed to continue using the meter under the following conditions:
 - 1. The customer must submit a current certificate of accuracy and calibration results for private meters and private backflows annually to the City of San Diego, Water Department, Meter Shop.

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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 3 OF 10	EFFECTIVE DATE October 15, 2002
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2. The meter must be properly identifiable with a clearly labeled serial number on the body of the fire hydrant meter. The serial number shall be plainly stamped on the register lid and the main casing. Serial numbers shall be visible from the top of the meter casing and the numbers shall be stamped on the top of the inlet casing flange.
3. All meters shall be locked to the fire hydrant by the Water Department, Meter Section (see Section 4.7).
4. All meters shall be read by the Water Department, Meter Section (see Section 4.7).
5. All meters shall be relocated by the Water Department, Meter Section (see Section 4.7).
6. These meters shall be tested on the anniversary of the original test date and proof of testing will be submitted to the Water Department, Meter Shop, on a yearly basis. If not tested, the meter will not be allowed for use in the City of San Diego.
7. All private fire hydrant meters shall have backflow devices attached when installed.
8. The customer must maintain and repair their own private meters and private backflows.
9. The customer must provide current test and calibration results to the Water Department, Meter Shop after any repairs.
10. When private meters are damaged beyond repair, these private meters will be replaced by City owned fire hydrant meters.

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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 4 OF 10	EFFECTIVE DATE October 15, 2002
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11. When a private meter malfunctions, the customer will be notified and the meter will be removed by the City and returned to the customer for repairs. Testing and calibration results shall be given to the City prior to any re-installation.
 12. The register shall be hermetically sealed straight reading and shall be readable from the inlet side. Registration shall be in hundred cubic feet.
 13. The outlet shall have a 2 ½ “National Standards Tested (NST) fire hydrant male coupling.
 14. Private fire hydrant meters shall not be transferable from one contracting company to another (i.e. if a company goes out of business or is bought out by another company).
- 4.4 All fire hydrant meters and appurtenances shall be installed, relocated and removed by the City of San Diego, Water Department. All City owned fire hydrant meters and appurtenances shall be maintained by the City of San Diego, Water Department, Meter Services.
- 4.5 If any fire hydrant meter is used in violation of this Department Instruction, the violation will be reported to the Code Compliance Section for investigation and appropriate action. Any customer using a fire hydrant meter in violation of the requirements set forth above is subject to fines or penalties pursuant to the Municipal Code, Section 67.15 and Section 67.37.
- 4.6 **Conditions and Processes for Issuance of a Fire Hydrant Meter**
- Process for Issuance
- a. Fire hydrant meters shall only be used for the following purposes:
 1. Temporary irrigation purposes not to exceed one year.

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2. Construction and maintenance related activities (see Tab 2).
 - b. No customer inside or outside the boundaries of the City of San Diego Water Department shall resell any portion of the water delivered through a fire hydrant by the City of San Diego Water Department.
 - c. The City of San Diego allows for the issuance of a temporary fire hydrant meter for a period not to exceed 12 months (365 days). An extension can only be granted in writing from the Water Department Director for up to 90 additional days. A written request for an extension by the consumer must be submitted at least 30 days prior to the 12 month period ending. No extension shall be granted to any customer with a delinquent account with the Water Department. No further extensions shall be granted.
 - d. Any customer requesting the issuance of a fire hydrant meter shall file an application with the Meter Section. The customer must complete a "Fire Hydrant Meter Application" (Tab 1) which includes the name of the company, the party responsible for payment, Social Security number and/or California ID, requested location of the meter (a detailed map signifying an exact location), local contact person, local phone number, a contractor's license (or a business license), description of specific water use, duration of use at the site and full name and address of the person responsible for payment.
 - e. At the time of the application the customer will pay their fees according to the schedule set forth in the Rate Book of Fees and Charges, located in the City Clerk's Office. All fees must be paid by check, money order or cashiers check, made payable to the City Treasurer. Cash will not be accepted.
 - f. No fire hydrant meters shall be furnished or relocated for any customer with a delinquent account with the Water Department.
 - g. After the fees have been paid and an account has been created, the

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meter shall be installed within 48 hours (by the second business day). For an additional fee, at overtime rates, meters can be installed within 24 hours (within one business day).

4.7 Relocation of Existing Fire Hydrant Meters

- a. The customer shall call the Fire Hydrant Meter Hotline (herein referred to as “Hotline”), a minimum of 24 hours in advance, to request the relocation of a meter. A fee will be charged to the existing account, which must be current before a work order is generated for the meter’s relocation.
- b. The customer will supply in writing the address where the meter is to be relocated (map page, cross street, etc). The customer must update the original Fire Hydrant Meter Application with any changes as it applies to the new location.
- c. Fire hydrant meters shall be read on a monthly basis. While fire hydrant meters and backflow devices are in service, commodity, base fee and damage charges, if applicable, will be billed to the customer on a monthly basis. If the account becomes delinquent, the meter will be removed.

4.8 Disconnection of Fire Hydrant Meter

- a. After ten (10) months a “Notice of Discontinuation of Service” (Tab 3) will be issued to the site and the address of record to notify the customer of the date of discontinuance of service. An extension can only be granted in writing from the Water Department Director for up to 90 additional days (as stated in Section 4.6C) and a copy of the extension shall be forwarded to the Meter Shop Supervisor. If an extension has not been approved, the meter will be removed after twelve (12) months of use.
- b. Upon completion of the project the customer will notify the Meter Services office via the Hotline to request the removal of the fire hydrant meter and appurtenances. A work order will be generated

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for removal of the meter.

- c. Meter Section staff will remove the meter and backflow prevention assembly and return it to the Meter Shop. Once returned to the Meter Shop the meter and backflow will be tested for accuracy and functionality.
- d. Meter Section Staff will contact and notify Customer Services of the final read and any charges resulting from damages to the meter and backflow or its appurtenance. These charges will be added on the customer's final bill and will be sent to the address of record. Any customer who has an outstanding balance will not receive additional meters.
- e. Outstanding balances due may be deducted from deposits and any balances refunded to the customer. Any outstanding balances will be turned over to the City Treasurer for collection. Outstanding balances may also be transferred to any other existing accounts.

5. **EXCEPTIONS**

- 5.1 Any request for exceptions to this policy shall be presented, in writing, to the Customer Support Deputy Director, or his/her designee for consideration.

6. **MOBILE METER**

- 6.1 Mobile meters will be allowed on a case by case basis. All mobile meters will be protected by an approved backflow assembly and the minimum requirement will be a Reduced Pressure Principal Assembly. The two types of Mobile Meters are vehicle mounted and floating meters. Each style of meters has separate guidelines that shall be followed for the customer to retain service and are described below:

- a) **Vehicle Mounted Meters:** Customer applies for and receives a City owned Fire Hydrant Meter from the Meter Shop. The customer mounts the meter on the vehicle and brings it to the Meter Shop for

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inspection. After installation is approved by the Meter Shop the vehicle and meter shall be brought to the Meter Shop on a monthly basis for meter reading and on a quarterly basis for testing of the backflow assembly. Meters mounted at the owner's expense shall have the one year contract expiration waived and shall have meter or backflow changed if either fails.

b) **Floating Meters:** Floating Meters are meters that are not mounted to a vehicle. **(Note: All floating meters shall have an approved backflow assembly attached.)** The customer shall submit an application and a letter explaining the need for a floating meter to the Meter Shop. The Fire Hydrant Meter Administrator, after a thorough review of the needs of the customer, (i.e. number of jobsites per day, City contract work, lack of mounting area on work vehicle, etc.), may issue a floating meter. At the time of issue, it will be necessary for the customer to complete and sign the "Floating Fire Hydrant Meter Agreement" which states the following:

- 1) The meter will be brought to the Meter Shop at 2797 Caminito Chollas, San Diego on the third week of each month for the monthly read by Meter Shop personnel.
- 2) Every other month the meter will be read and the backflow will be tested. This date will be determined by the start date of the agreement.

If any of the conditions stated above are not met the Meter Shop has the right to cancel the contract for floating meter use and close the account associated with the meter. The Meter Shop will also exercise the right to refuse the issuance of another floating meter to the company in question.

Any Fire Hydrant Meter using reclaimed water shall not be allowed use again with any potable water supply. The customer shall incur the cost of replacing the meter and backflow device in this instance.

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7. **FEE AND DEPOSIT SCHEDULES**

7.1 **Fees and Deposit Schedules:** The fees and deposits, as listed in the Rate Book of Fees and Charges, on file with the Office of the City Clerk, are based on actual reimbursement of costs of services performed, equipment and materials. These deposits and fees will be amended, as needed, based on actual costs. Deposits, will be refunded at the end of the use of the fire hydrant meter, upon return of equipment in good working condition and all outstanding balances on account are paid. Deposits can also be used to cover outstanding balances.

All fees for equipment, installation, testing, relocation and other costs related to this program are subject to change without prior notification. The Mayor and Council will be notified of any future changes.

8. **UNAUTHORIZED USE OF WATER FROM A HYDRANT**

8.1 Use of water from any fire hydrant without a properly issued and installed fire hydrant meter is theft of City property. Customers who use water for unauthorized purposes or without a City of San Diego issued meter will be prosecuted.

8.2 If any unauthorized connection, disconnection or relocation of a fire hydrant meter, or other connection device is made by anyone other than authorized Water Department personnel, the person making the connection will be prosecuted for a violation of San Diego Municipal Code, Section 67.15. In the case of a second offense, the customer's fire hydrant meter shall be confiscated and/or the deposit will be forfeited.

8.3 Unauthorized water use shall be billed to the responsible party. Water use charges shall be based on meter readings, or estimates when meter readings are not available.

8.4 In case of unauthorized water use, the customer shall be billed for all applicable charges as if proper authorization for the water use had been obtained, including but not limited to bi-monthly service charges, installation charges and removal charges.

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- 8.5 If damage occurs to Water Department property (i.e. fire hydrant meter, backflow, various appurtenances), the cost of repairs or replacements will be charged to the customer of record (applicant).

Water Department Director

- Tabs: 1. Fire Hydrant Meter Application
2. Construction & Maintenance Related Activities With No Return To Sewer
3. Notice of Discontinuation of Service

APPENDIX

Administering Division: Customer Support Division

Subject Index: Construction Meters
Fire Hydrant
Fire Hydrant Meter Program
Meters, Floating or Vehicle Mounted
Mobile Meter
Program, Fire Hydrant Meter

Distribution: DI Manual Holders



Application for Fire Hydrant Meter (EXHIBIT A)

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

Meter Information

Application Date	Requested Install Date:
------------------	-------------------------

Fire Hydrant Location: (Attach Detailed Map//Thomas Bros. Map Location or Construction drawing.) Zip:	T.B.	G.B. (CITY USE)
Specific Use of Water:		
Any Return to Sewer or Storm Drain, if so, explain:		
Estimated Duration of Meter Use:		Check Box if Reclaimed Water

Company Information

Company Name:			
Mailing Address:			
City:	State:	Zip:	Phone: ()
*Business license#		*Contractor license#	
A Copy of the Contractor's license OR Business License is required at the time of meter issuance.			
Name and Title of Billing Agent: <small>(PERSON IN ACCOUNTS PAYABLE)</small>			Phone: ()
Site Contact Name and Title:			Phone: ()
Responsible Party Name:			Title:
Cal ID#			Phone: ()
Signature:		Date:	
<small>Guarantees Payment of all Charges Resulting from the use of this Meter. Insures that employees of this Organization understand the proper use of Fire Hydrant Meter</small>			

Fire Hydrant Meter Removal Request	Requested Removal Date:
Provide Current Meter Location if Different from Above:	
Signature:	Title: Date:
Phone: ()	Pager: ()

<input type="checkbox"/> City Meter	<input type="checkbox"/> Private Meter
Contract Acct #:	Deposit Amount: \$ 936.00 Fees Amount: \$ 62.00
Meter Serial #	Meter Size: 05 Meter Make and Style: 6-7
Backflow #	Backflow Size: Backflow Make and Style:
Name:	Signature: Date:

WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

Auto Detailing
Backfilling
Combination Cleaners (Vactors)
Compaction
Concrete Cutters
Construction Trailers
Cross Connection Testing
Dust Control
Flushing Water Mains
Hydro Blasting
Hydro Seeing
Irrigation (for establishing irrigation only; not continuing irrigation)
Mixing Concrete
Mobile Car Washing
Special Events
Street Sweeping
Water Tanks
Water Trucks
Window Washing

Note:

1. If there is any return to sewer or storm drain, then sewer and/or storm drain fees will be charges.

Date

Name of Responsible Party
Company Name and Address
Account Number: _____

Subject: Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

The authorization for use of Fire Hydrant Meter # _____, located at *(Meter Location Address)* ends in 60 days and will be removed on or after *(Date Authorization Expires)*. Extension requests for an additional 90 days must be submitted in writing for consideration 30 days prior to the discontinuation date. If you require an extension, please contact the Water Department, or mail your request for an extension to:

City of San Diego
Water Department
Attention: Meter Services
2797 Caminito Chollas
San Diego, CA 92105-5097

Should you have any questions regarding this matter, please call the Fire Hydrant Hotline at (619) _____ - _____.

Sincerely,

Water Department

APPENDIX C

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

1. Soil amendment
2. Fiber mulch
3. PVC or PE pipe up to 16 inch diameter
4. Stabilizing emulsion
5. Lime
6. Preformed elastomeric joint seal
7. Plain and fabric reinforced elastomeric bearing pads
8. Steel reinforced elastomeric bearing pads
9. Waterstops (Special Condition)
10. Epoxy coated bar reinforcement
11. Plain and reinforcing steel
12. Structural steel
13. Structural timber and lumber
14. Treated timber and lumber
15. Lumber and timber
16. Aluminum pipe and aluminum pipe arch
17. Corrugated steel pipe and corrugated steel pipe arch
18. Structural metal plate pipe arches and pipe arches
19. Perforated steel pipe
20. Aluminum underdrain pipe
21. Aluminum or steel entrance tapers, pipe downdrains, reducers, coupling bands and slip joints
22. Metal target plates
23. Paint (traffic striping)
24. Conductors
25. Painting of electrical equipment
26. Electrical components
27. Engineering fabric
28. Portland Cement
29. PCC admixtures
30. Minor concrete, asphalt
31. Asphalt (oil)
32. Liquid asphalt emulsion
33. Epoxy

APPENDIX D

SAMPLE CITY INVOICE WITH CASH FLOW FORECAST

WBS #:	B18108
Date Submitted:	10/10/2018
NTP Date:	3/23/2018
Final Statement of WD Date:	5/23/2020
Contract #:	K-XX-XXXX-XXX-X
Contract Amount:	\$5,617,000

Construction Cash Flow Forecast
 "Sewer and Water Group Job 965 (W)"

Year	January	February	March	April	May	June	July	August	September	October	November	December
2018				15,000	25,000	52,000	52,000	100,000	10,000	100,000	100,000	100,000
2019	10,000	10,000	85,000	58,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000	1,000,000
2020	100,000	100,000	100,000	1,000,000	1,000,000							
2021												
2022												
2023												
2024												
2025												

SAMPLE REFERENCE

APPENDIX E
LOCATION MAP



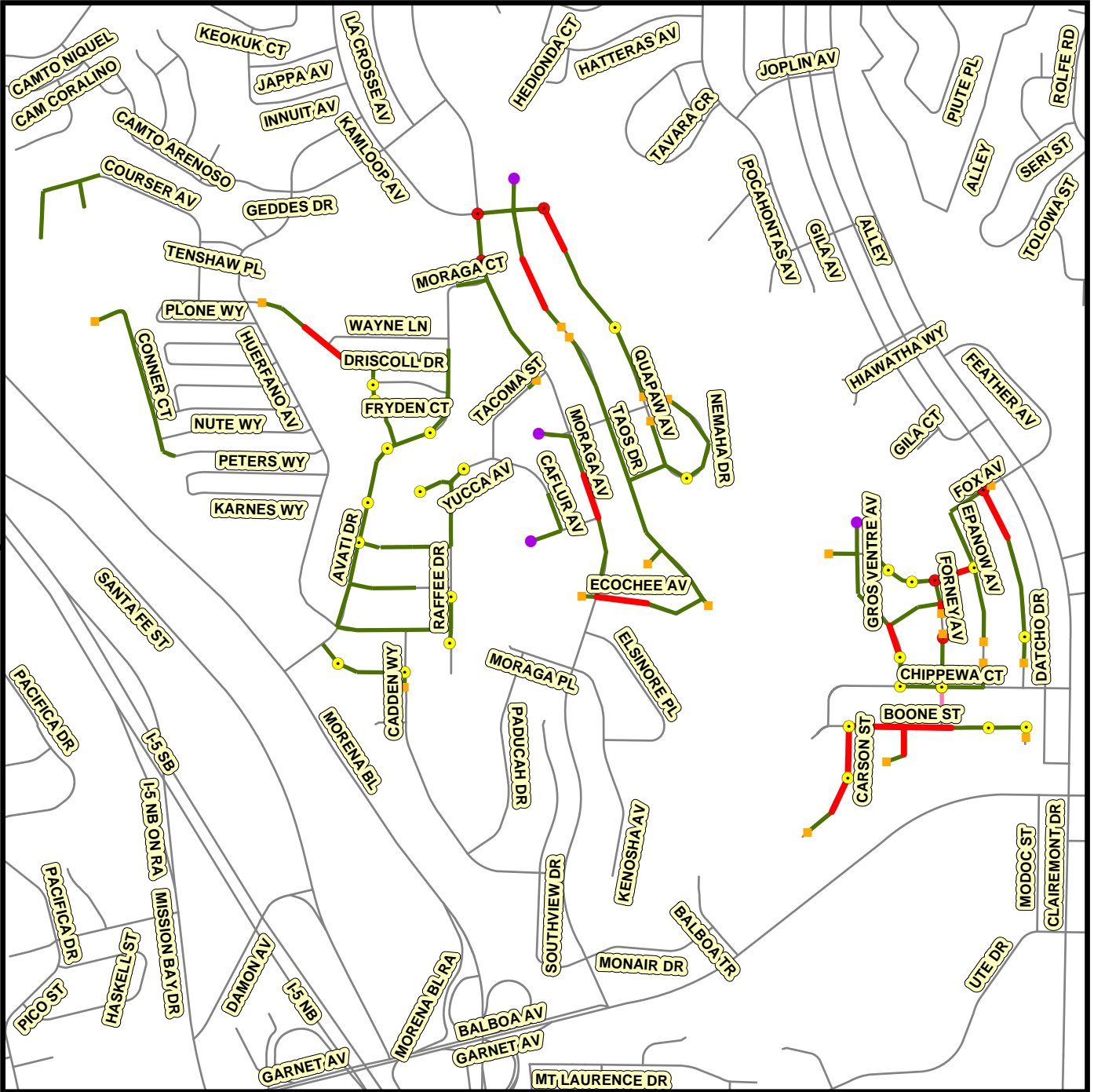
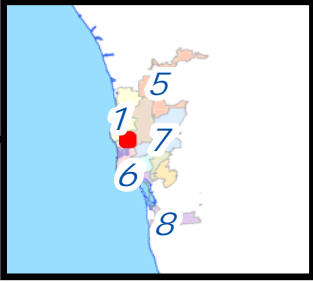
BAY HO IMPROVEMENTS 1 LOCATION MAP

SENIOR ENGINEER
JANICE JARO
619-533-3851

PROJECT MANAGER
JOSH ADELMAN
619-533-4656

PROJECT ENGINEER
ALFREDO REYES
619-533-3037

FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



Legend

- Sewer Main Rehab
- Manhole Replacement
- Point Repair
- New Manhole
- Manhole Rehab/Repair
- New Cleanout
- Abandon Sewer



NO SCALE

COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 2

SAP ID: B19088



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APPENDIX F
VICINITY MAP



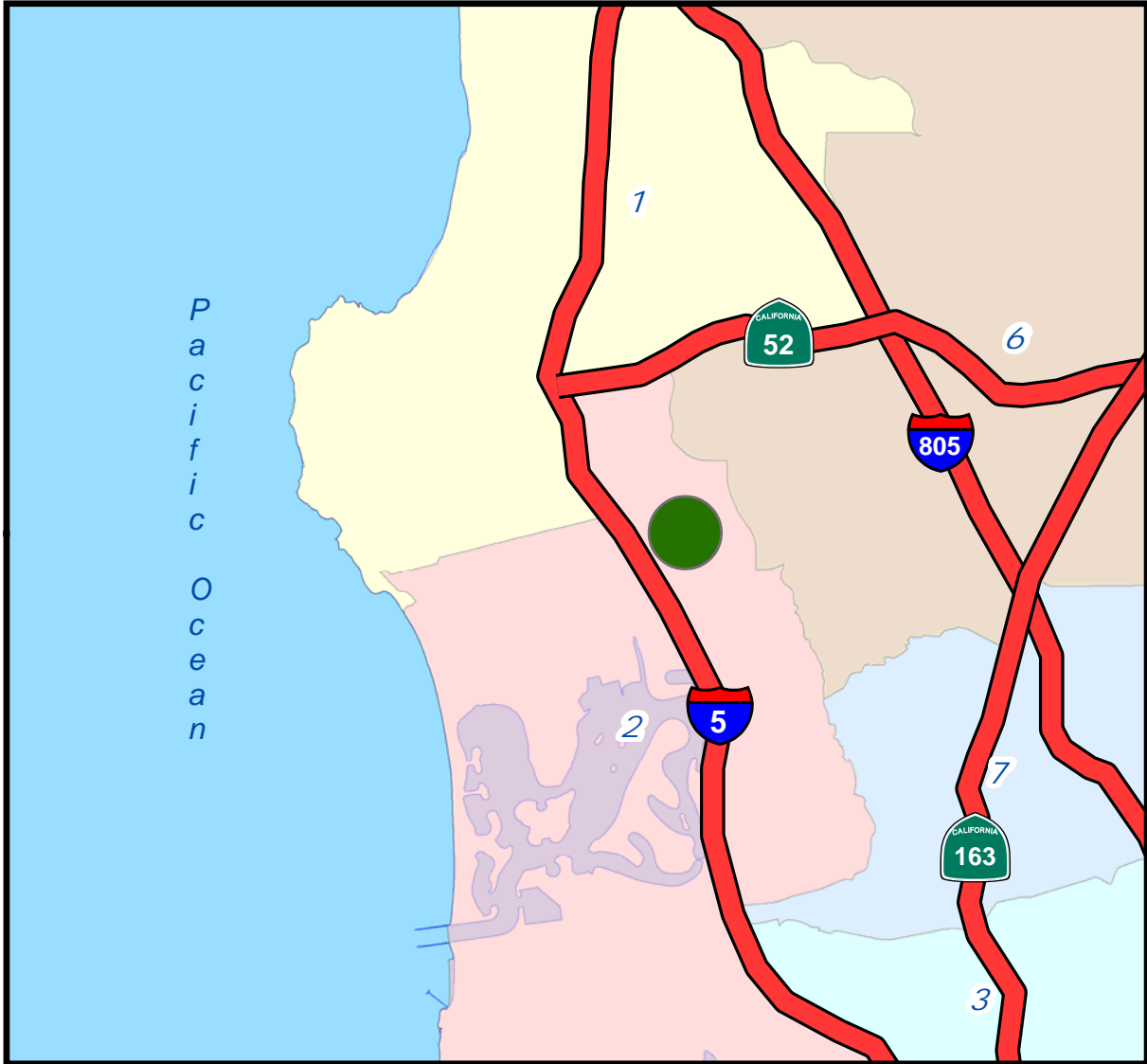
BAY HO IMPROVEMENTS 1 VICINITY MAP

SENIOR ENGINEER
JANICE JARO
619-533-3851

PROJECT MANAGER
JOSH ADELMAN
619-533-4656

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Legend

- Bay Ho Improvements 1
- HWY

Council Districts

DISTRICT		
1	3	7
2	6	



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APPENDIX G
ADJACENT PROJECTS MAP



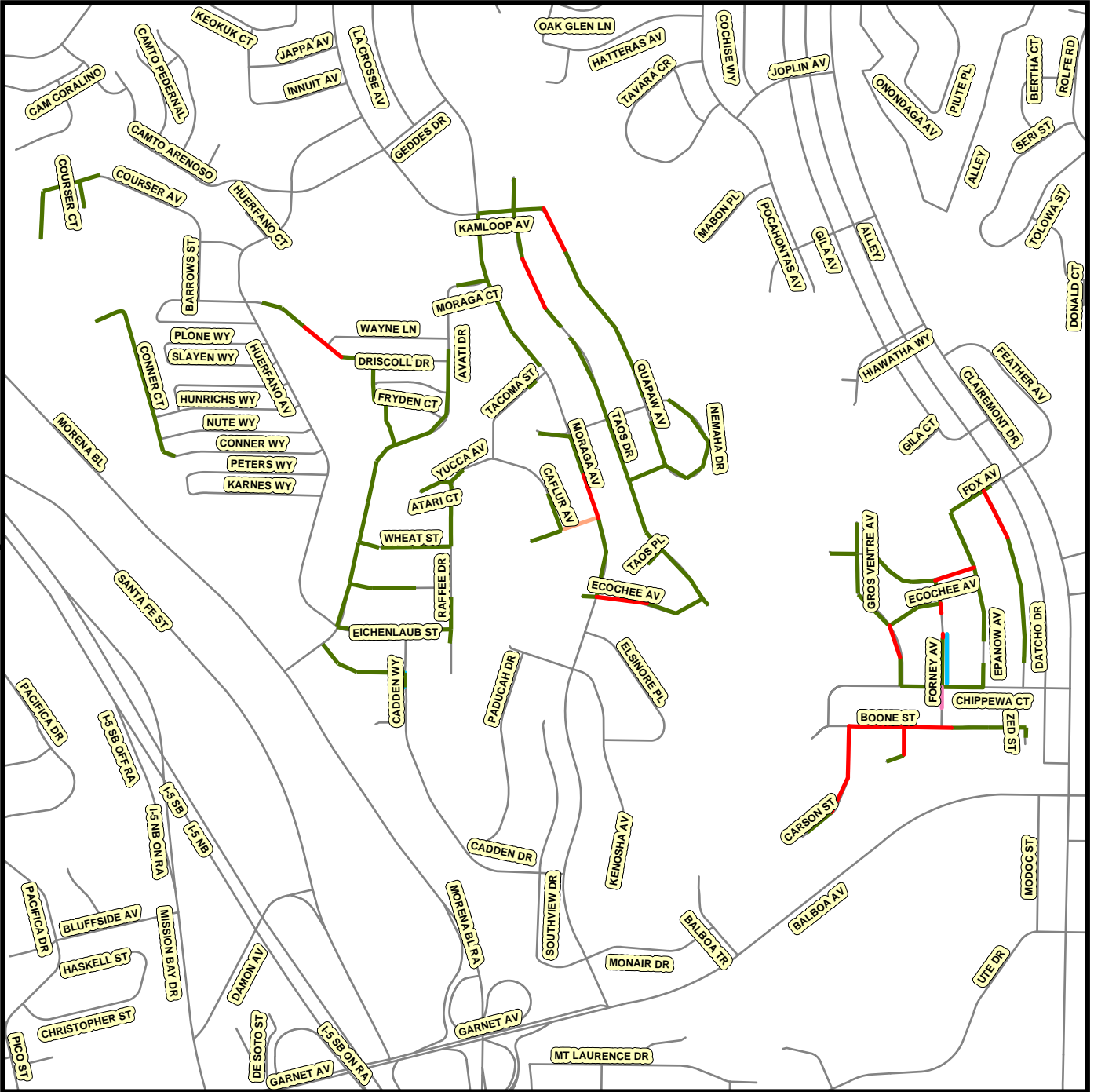
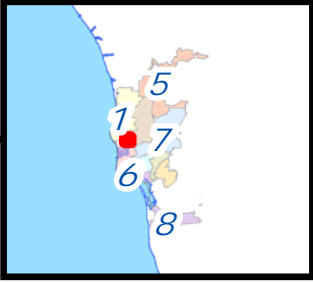
BAY HO IMPROVEMENTS 1 ADJACENT PROJECTS MAP

SENIOR ENGINEER
JANICE JARO
619-533-3851

PROJECT MANAGER
JOSH ADELMAN
619-533-4656

PROJECT ENGINEER
ALFREDO REYES
619-533-3037

FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



Legend

- Sewer Main Rehab
- Point Repair
- Accelerated Pipeline Rehabilitation 846
- Water Group 970 CI
- Abandon Sewer



NO SCALE

COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 2

SAP ID: B19088



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APPENDIX H

SAMPLE CONTRACTOR'S DAILY QUALITY CONTROL INSPECTION REPORT

City of San Diego
Rubber Polymer Modified Slurry
Contractor's Daily Quality Control Inspection Report

Project Title: _____ Date: _____

Ambient Temperature (Start of Work): _____ Time: _____

Environmental Considerations: _____

Locations (Address Range/Cross Streets):

1. _____
2. _____
3. _____

Approved Mix Design: _____

Material Suppliers: _____

RPMS Type(s): _____

Slurry Machine #'s: _____

Estimated Cure Time (Break) of Slurry: _____

Pre-Mix (Per 100 Counts)

Gate Setting/Emulsion %: _____

Aggregate Weight: _____

Cement % (by weight of aggregate): _____

Crumb Rubber % (by volume of cement): _____

Machine Inspection

Leaks: _____

Sprayers: _____

Emulsion Filter: _____

Carbon Black: _____

Spreader Box Inspection

Cleanliness: _____

Augers: _____

Rubbers: _____

Fabric: _____

Runners: _____

City of San Diego
Rubber Polymer Modified Slurry
Contractor's Daily Quality Control Inspection Report

Project Conditions

Crack Fill: _____

Asphalt Deficiencies: _____

Cleanliness: _____

Impediments/Other: _____

Communication to Client/ Resident Engineer

Crack Fill: _____

Asphalt Deficiencies: _____

Cleanliness: _____

Impediments/Other: _____

Test Lab

Tech: _____ Time on Site: _____

Notes

QCP Administrator Signature:

Date Signed:

Appendix H

City of San Diego
Asphalt Concrete Overlay
Contractor's Daily Quality Control Inspection Report

Project Title: _____ Date: _____

Locations: 1. _____
2. _____
3. _____

Asphalt Mix Specification: Attached Supplier: _____

Dig out Locations: 1. _____
2. _____
3. _____

Tack Coat Application Rate @ Locations:
1. _____
2. _____
3. _____

Asphalt Temperature at Placement @ Locations:
1. _____
2. _____
3. _____

Asphalt Depth @Locations:
1. _____
2. _____
3. _____

Compaction Test Result @Locations:
1. _____
2. _____
3. _____

Location and nature of defects:

- 1. _____
- 2. _____
- 3. _____

Remedial and Corrective Actions taken or proposed for Engineer's approval:

- 1. _____
- 2. _____
- 3. _____

Date's City Laboratory representative was present:

- 1. _____
- 2. _____
- 3. _____

Verified the following:

- 1. Proper Storage of Materials & Equipment
- 2. Proper Operation of Equipment
- 3. Adherence to Plans and Specs
- 4. Review of QC Tests
- 5. Safety Inspection

Initials:

- _____
- _____
- _____
- _____
- _____

Deviations from QCP _____ (see attached)

Quality Control Plan Administrator's Signature:

Date Signed:

APPENDIX I
HAZARDOUS WASTE LABEL/FORMS

HAZARDOUS WASTE

STATE AND FEDERAL LAW PROHIBITS IMPROPER DISPOSAL
IF FOUND, CONTACT THE NEAREST POLICE, OR PUBLIC SAFETY
AUTHORITY, OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY
OR THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES

GENERATOR NAME _____

ADDRESS _____ 24 HR. PHONE () _____

CITY _____ STATE _____ ZIP _____

EPA ID NO. _____ MANIFEST DOCUMENT NO. _____

EPA WASTE NO. _____ CA WASTE NO. _____ ACCUMULATION START DATE _____ / ____ / ____

CONTENTS, COMPOSITION _____

PROPER DOT SHIPPING NAME _____

TECHNICAL NAME (S) _____

UN/NA NO. WITH PREFIX _____

PHYSICAL STATE HAZARDOUS PROPERTIES FLAMMABLE TOXIC
 SOLID LIQUID CORROSIVE REACTIVE OTHER _____

HANDLE WITH CARE!
CONTAINS HAZARDOUS OR TOXIC WASTES

INCIDENT/RELEASE ASSESSMENT FORM ¹

If you have an emergency, Call 911

Handlers of hazardous materials are required to report releases. The following is a tool to be used for assessing if a release is reportable. Additionally, a non-reportable release incident form is provided to document why a release is not reported (see back).

Questions for Incident Assessment:

	YES	NO
1. Was anyone killed or injured, or did they require medical care or admitted to a hospital for observation?	<input type="checkbox"/>	<input type="checkbox"/>
2. Did anyone, other than employees in the immediate area of the release, evacuate?	<input type="checkbox"/>	<input type="checkbox"/>
3. Did the release cause off-site damage to public or private property?	<input type="checkbox"/>	<input type="checkbox"/>
4. Is the release greater than or equal to a reportable quantity (RQ)?	<input type="checkbox"/>	<input type="checkbox"/>
5. Was there an uncontrolled or unpermitted release to the air?	<input type="checkbox"/>	<input type="checkbox"/>
6. Did an uncontrolled or unpermitted release escape secondary containment, or extend into any sewers, storm water conveyance systems, utility vaults and conduits, wetlands, waterways, public roads, or off site?	<input type="checkbox"/>	<input type="checkbox"/>
7. Will control, containment, decontamination, and/or clean up require the assistance of federal, state, county, or municipal response elements?	<input type="checkbox"/>	<input type="checkbox"/>
8. Was the release or threatened release involving an unknown material or contains an unknown hazardous constituent?	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the incident a threatened release (a condition creating a substantial probability of harm that requires immediate action to prevent, reduce, or mitigate damages to persons, property, or the environment)?	<input type="checkbox"/>	<input type="checkbox"/>
10. Is there an increased potential for secondary effects including fire, explosion, line rupture, equipment failure, or other outcomes that may endanger or cause exposure to employees, the general public, or the environment?	<input type="checkbox"/>	<input type="checkbox"/>

If the answer is YES to any of the above questions – report the release to the California Office of Emergency Services at 800-852-7550 and the local CUPA daytime: (619) 338-2284, after hours: (858) 565-5255. Note: other state and federal agencies may require notification depending on the circumstances.

Call 911 in an emergency

If all answers are NO, complete a Non Reportable Release Incident Form (page 2 of 2) and keep readily available. Documenting why a “no” response was made to each question will serve useful in the event questions are asked in the future, and to justify not reporting to an outside regulatory agency.

If in doubt, report the release.

¹ This document is a guide for accessing when hazardous materials release reporting is required by Chapter 6.95 of the California Health and Safety Code. It does not replace good judgment, Chapter 6.95, or other state or federal release reporting requirements.

NON REPORTABLE RELEASE INCIDENT FORM

1. RELEASE AND RESPONSE DESCRIPTION

Incident # _____

Date/Time Discovered	Date/Time Discharge	Discharge Stopped <input type="checkbox"/> Yes <input type="checkbox"/> No
Incident Date / Time:		
Incident Business / Site Name:		
Incident Address:		
Other Locators (Bldg, Room, Oil Field, Lease, Well #, GIS)		
Please describe the incident and indicate specific causes and area affected. Photos Attached?: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Indicate actions to be taken to prevent similar releases from occurring in the future.		

2. ADMINISTRATIVE INFORMATION

Supervisor in charge at time of incident:	Phone:
Contact Person:	Phone:

3. CHEMICAL INFORMATION

Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT ³
Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT ³
Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT ³
Clean-Up Procedures & Timeline:	
Completed By:	Phone:
Print Name:	Title:

EMERGENCY RELEASE FOLLOW - UP NOTICE REPORTING FORM

A	BUSINESS NAME	FACILITY EMERGENCY CONTACT & PHONE NUMBER () -	
B	INCIDENT DATE MO DAY YR	TIME OES NOTIFIED (use 24 hr time)	OES CONTROL NO.
C	INCIDENT ADDRESS LOCATION	CITY / COMMUNITY	COUNTY ZIP
D	CHEMICAL OR TRADE NAME (print or type)		CAS Number
D	CHECK IF CHEMICAL IS LISTED IN 40 CFR 355, APPENDIX A <input type="checkbox"/>	CHECK IF RELEASE REQUIRES NOTIFICATION UNDER 42 U.S.C. Section 9603 (a) <input type="checkbox"/>	
D	PHYSICAL STATE CONTAINED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS	PHYSICAL STATE RELEASED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS	QUANTITY RELEASED
D	ENVIRONMENTAL CONTAMINATION <input type="checkbox"/> AIR <input type="checkbox"/> WATER <input type="checkbox"/> GROUND <input type="checkbox"/> OTHER	TIME OF RELEASE	DURATION OF RELEASE — DAYS — HOURS — MINUTES
E	ACTIONS TAKEN		
F	KNOWN OR ANTICIPATED HEALTH EFFECTS (Use the comments section for addition information)		
	<input type="checkbox"/> ACUTE OR IMMEDIATE (explain) _____		
	<input type="checkbox"/> CHRONIC OR DELAYED (explain) _____		
	<input type="checkbox"/> NOTKNOWN (explain) _____		
G	ADVICE REGARDING MEDICAL ATTENTION NECESSARY FOR EXPOSED INDIVIDUALS		
H	COMMENTS (INDICATE SECTION (A - G) AND ITEM WITH COMMENTS OR ADDITIONAL INFORMATION)		
I	CERTIFICATION: I certify under penalty of law that I have personally examined and I am familiar with the information submitted and believe the submitted information is true, accurate, and complete.		
	REPORTING FACILITY REPRESENTATIVE (print or type) _____		
	SIGNATURE OF REPORTING FACILITY REPRESENTATIVE _____ DATE: _____		

EMERGENCY RELEASE FOLLOW-UP NOTICE REPORTING FORM INSTRUCTIONS

GENERAL INFORMATION:

Chapter 6.95 of Division 20 of the California Health and Safety Code requires that written emergency release follow-up notices prepared pursuant to 42 U.S.C. § 11004, be submitted using this reporting form. Non-permitted releases of reportable quantities of Extremely Hazardous Substances (listed in 40 CFR 355, appendix A) or of chemicals that require release reporting under section 103(a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 [42 U.S.C. § 9603(a)] must be reported on the form, as soon as practicable, but no later than 30 days, following a release. The written follow-up report is required in addition to the verbal notification.

BASIC INSTRUCTIONS:

- The form, when filled out, reports follow-up information required by 42 U.S.C § 11004. Ensure that all information requested by the form is provided as completely as possible.
- If the incident involves reportable releases of more than one chemical, prepare one report form for each chemical released.
- If the incident involves a series of separate releases of chemical(s) at different times, the releases should be reported on separate reporting forms.

SPECIFIC INSTRUCTIONS:

Block A: Enter the name of the business and the name and phone number of a contact person who can provide detailed facility information concerning the release.

Block B: Enter the date of the incident and the time that verbal notification was made to OES. The OES control number is provided to the caller by OES at the time verbal notification is made. Enter this control number in the space provided.

Block C: Provide information pertaining to the location where the release occurred. Include the street address, the city or community, the county and the zip code.

Block D: Provide information concerning the specific chemical that was released. Include the chemical or trade name and the Chemical Abstract Service (CAS) number. Check all categories that apply. Provide best available information on quantity, time and duration of the release.

Block E: Indicate all actions taken to respond to and contain the release as specified in 42 U.S.C. § 11004(c).

Block F: Check the categories that apply to the health effects that occurred or could result from the release. Provide an explanation or description of the effects in the space provided. Use Block H for additional comments/information if necessary to meet requirements specified in 42 U.S.C. § 11004(c).

Block G: Include information on the type of medical attention required for exposure to the chemical released. Indicate when and how this information was made available to individuals exposed and to medical personnel, if appropriate for the incident, as specified in 42 U.S.C. § 11004(c).

Block H: List any additional pertinent information.

Block I: Print or type the name of the facility representative submitting the report. Include the official signature and the date that the form was prepared.

MAIL THE COMPLETED REPORT TO:

**State Emergency Response Commission (SERC)
Attn: Section 304 Reports
Hazardous Materials Unit
3650 Schriever Avenue
Mather, CA 95655**

NOTE: Authority cited: Sections 25503, 25503.1 and 25507.1, Health and Safety Code. Reference: Sections 25503(b)(4), 25503.1, 25507.1, 25518 and 25520, Health and Safety Code.

APPENDIX J
SEWER MAINS REHABILITATION SPREADSHEETS

Bay Ho Improv 1 (S) B19088

FSN	US FACILITY ID	DS FACILITY ID	INSTALL YEAR	LENGTH (FT)	MAX d/D (%)	Q/QCAP (%)	LATERALS	MAINTENANCE FREQUENCY (MONTHS)	ACTION	STREET NAME	MAP SHEET	REMARKS (refer to MH Rehab/MH Replace/New MH /New Clean Out and Sewer lateral sheets for complete listing of items)	PE Comments
13967	81769	81776	1956	200	0.4	6.5	7	60	REHAB	TAOS	6	Install New Manhole (NMH1)	
13970	81772	81773	1956	339	14.4	6.9	11	24	REHAB	QUAPAW	6	Rehab MH (FSN#81772)	
13971	81773	81774	1956	264	15.0	5.9	8	12	REHAB	QUAPAW	6		
13972	81774	81775	1956	300	1.1	4.3	8	12	POINT REPAIR & REHAB	QUAPAW	6	Replace MH (FSN # 81775)	From MH 198 to MH 199Longitugal crack at joint @ 85'-7" DS. Connection with severe defect at 86'.
13973	81775	81776	1956	200	1.5	6.5	4	60	REHAB	KAMLOOP	6		
13974	81776	81782	1956	223	1.9	12.6	0	24	REHAB	KAMLOOP	6		
13975	81778	81777	1956	165	11.7	5.9	7	24	REHAB	TAOS	6	Install Cleanout (CO5)	
13976	81781	81780	1956	359	27.4	9.8	10	60	REHAB	MORAGA	6		
13977	81784	81781	1956	201	25.8	13.8	1	24	REHAB	MORAGA	6		
13980	81786	81787	1964	269	11.0	6.9	7	60	REHAB	AVATI	5		
13981	81787	81788	1964	151	10.8	6.9	3	60	REHAB	AVATI	5		
13982	81789	81790	1964	56	12.0	26.9	1	24	REHAB	ATARI	4		
13983	81791	81790	1964	130	12.0	26.9	4	12	REHAB	YUCCA	5	Rehab MH (FSN#81791)	
13988	Install Cleanout	81796	1955	70			2		REHAB	TACOMA ST	6	Install Cleanout (CO7)	
13989	81780	81798	1955	292	28.2	15.8	9	24	REHAB	MORAGA	6		
13991	81800	81801	1956	200	28.2	15.8	6	24	REHAB	FOX	7	Install Manhole (NMH2)	
13992	81801	81802	1956	264	29.7	12.8	7	24	REHAB	MORAGA	7		
13993	81811	81803	1956	261	21.5	9.8	2	12	REHAB	TAOS	7		
13994	81804	81803	1956	350	21.5	9.8	10	12	REHAB	TAOS	7		
13995	81805	81804	1956	300	12.2	5.9	8	12	REHAB	TAOS	7		
13996	81806	81805	1956	300	12.2	6.9	9	24	REHAB	TAOS	6		
13997	81779	81806	1956	70	12.3	5.9	4	24	REHAB	TAOS	6	Install Cleanout (CO6)	
13998	81807	81772	1956	323	13.8	5.9	11	24	REHAB (SEE PE COMMENTS)	QUAPAW	6	Rehab MH (FSN# 81772)	Existing point repair. 25' of pvc lining. Rest of pipe to be rehabbed.
13999	81808	81807	1956	155	12.9	5.9	6	24	REHAB	QUAPAW	7	Install Cleanout (CO8)	
14000	81809	81810	1956	70	10.5	5.9	4	24	REHAB	QUAPAW	7	Install Cleanout (CO10)	
14001	81810	81811	1956	241	16.5	6.9	7	24	REHAB	QUAPAW	7		
14002	81812	81811	1956	139	16.5	6.9	2	12	REHAB	QUAPAW	7	Rehab MH (FSN# 81812)	
14003	81813	81812	1956	124	15.3	4.9	4	6	REHAB	QUAPAW	7		
14004	81814	81813	1956	159	14.3	5.9	6	12	REHAB	NEMAHA	7		
14005	81815	81814	1956	203	12.9	6.9	6	12	REHAB	NEMAHA	7		
14006	81816	81815	1956	185	11.0	5.9	6	24	REHAB	NEMAHA	7	Install Cleanout (CO9)	
14044	81850	81851	1961	310	11.9	8.9	10	24	REHAB	COURSER	1		
14045	81848	81850	1961	251	14.1	5.9	4	24	REHAB	COURSER	1		
14046	81614	81848	1961	147	14.1	13.9	2	24	REHAB	COURSER	1	Sheet 1 totals 1082' of sewer Rehab	
14047	81849	81848	1961	174	14.1	13.9	7	24	REHAB	COURSER	1		
14051	5610689	81859	1972	184	11.1	7.9	9	6	REHAB	CONNER	2	Install Cleanout (CO1)	
14052	81859	81879	1972	350	11.6	7.9	11	24	REHAB	CONNER	2		
14053	81879	81882	1972	336	11.6	7.9	10	24	REHAB	CONNER	2		
14054	81882	81883	1966	254	11.6	5.9	4	12	REHAB	CONNER	2		
14055	81883	81884	1966	90	14.4	6.9	2	24	REHAB	CONNER	2	Sheet 2 totals 1214' of sewer Rehab	
14080	81913	81896	1964	306	14.3	4.9	8	24	POINT REPAIR & REHAB	DRISCOLL	5		from MH 345 to MH 328: connection w/ medium roots @ 31.6'; pipe sag @ 95.2' DS; cracked pipe @ 160' DS
14081	81896	81910	1964	200	14.4	7.9	8	24	REHAB	DRISCOLL	5		
14082	81910	81897	1964	108	14.4	10.9	0	24	REHAB	DRISCOLL	5	Rehab MH (FSN# 81910)	
14083	81897	81909	1964	46			0						
14084	81909	81898	1964	104	17.4	5.9	2	12	REHAB	BRILLDEN	5	Rehab MH (FSN# 81909)	
14085	81908	81907	1964	107	18.8	12.9	0	24	REHAB	BRILLDEN	5	Easement	
14086	81907	81906	1964	61	16.7	6.9	0	24	REHAB	ALLEY	5	Easement	
14087	81906	81902	1964	112	16.7	6.9	0	12	REHAB	AVATI	5	Easement	
14088	81902	81901	1964	55	13.4	6.9	1	24	REHAB	AVATI	5		
14089	81901	81900	1964	105	14.1	7.9	3	24	REHAB	AVATI	5	Rehab MH (FSN# 81901)	
14090	81788	81903	1964	151	11.1	6.9	4	60	REHAB	AVATI	5		
14091	81903	81902	1964	245	13.2	6.9	5	24	REHAB	AVATI	5	Rehab MH (FSN# 81903)	
14093	81905	81908	1964	178	18.5	6.9	6	24	REHAB	BRILLDEN	5		
14094	81899	81908	1964	34	18.5	6.9	2	24	REHAB	BRILLDEN	5		
14095	81898	81899	1964	44			1					Rehab MH (FSN# 81898)	
14096	81911	81910	1964	250	14.4	7.9	8	24	REHAB	DRISCOLL	5	Rehab MH (FSN#81910)	
14097	81912	81911	1964	145	11.0	5.9	5	12	REHAB	DRISCOLL	5	Install Cleanout (CO4)	
14098	81914	81913	1964	196	13.4	6.9	5	24	REHAB	DRISCOLL	5	Sheet 6 totals 3107' of sewer Rehab	
14099	81915	81914	1964	130	10.7	6.9	5	24	REHAB	DRISCOLL	5	Install Cleanout (CO3)	
14117	81782	81936	1956	298	24.6	9.4	7	24	REHAB	MORAGA	6	Replace MH (FSN # 81782)	
14118	81936	81781	1956	139	25.8	13.8	4	24	REHAB	MORAGA	6	Replace MH (FSN # 81936)	
14124	81935	81776	1956	313	0.7	6.5	9	60	REHAB	TAOS	6		
14125	81777	81935	1956	341	12.2	6.9	10	24	POINT REPAIR & REHAB	TAOS	6		From MH 202 to MH 370 pipe offset @ 149' DS: Large circular crack at joint @ 153'.
14165	81976	81977	1964	151	12.8	9.9	2	24	REHAB	PETUNIA	3	Easement.	
14166	81975	81976	1964	298	13.4	8.9	11	12	REHAB	PETUNIA	3	Rehab MH (FSN# 81975)	
14168	81974	81975	1964	100	10.8	8.9	2	12	REHAB	CADDEN	3	Install Cleanout (CO2)	
14176	82016	81992	1964	300	11.3	5.9	4	24	REHAB	EICHENLAUB	3		
14177	81992	81990	1964	313	11.7	8.9	9	24	REHAB	EICHENLAUB	3		
14178	81990	82001	1964	125	32.7	9.8	2	24	REHAB	EICHENLAUB	3	Sheet 4 totals 1631' of sewer Rehab	
14179	81977	81989	1964	159	27.5	6.8	0	24	REHAB	AVATI	3	Rehab MH (FSN# 81977),Easement	
14182	82000	82001	1964	284	32.7	9.8	6	24	REHAB	AVATI	4		
14183	81994	82000	1964	144	15.8	6.9	4	24	REHAB	NORTH STAR	4		
14184	81993	81994	1964	300	11.1	8.9	9	24	REHAB	NORTH STAR	4		
14186	82011	81995	1964	250	11.6	6.9	8	24	REHAB	WHEAT	4		
14187	81996	81789	1964	150	11.6	21.9	8	24	REHAB	ATARI	4	Rehab MH (FSN# 81996)	
14188	81995	81997	1964	205	11.6	6.9	5	24	REHAB	WHEAT	4		
14189	81999	82000	1964	280	15.8	6.9	4	12	REHAB	AVATI	4	Rehab MH (FSN# 81999)	
14190	81997	81999	1964	144	15.3	9.9	4	24	REHAB	WHEAT	4		
14191	81998	81999	1964	263	15.3	9.9	7	24	REHAB	AVATI	4	Rehab MH (FSN# 81998)	
14192	81900	81998	1964	270	14.7	7.9	7	12	REHAB	AVATI	4		

FSN	US FACILITY ID	DS FACILITY ID	INSTALL YEAR	LENGTH (FT)	MAX d/D (%)	Q/QCAP (%)	LATERALS	MAINTENANCE FREQUENCY (MONTHS)	ACTION	STREET NAME	MAP SHEET	REMARKS (refer to MH Rehab/MH Replace/New MH /New Clean Out and Sewer lateral sheets for complete listing of items)	PE Comments
14209	81802	82020	1956	302	33.3	16.8	9	24	POINT REPAIR & REHAB	MORAGA	7		From MH 103 to MH 231 longitudinal cracks @ 142.4'; Existing point repair @ 143.2' to 151.5'; at point repair (143.2') cracked joint with offset/displacement.
14210	81803	82021	1956	353	23.0	7.8	12	12	REHAB	TAOS	7		
14211	82020	82022	1956	230	33.2	14.8	5	24	REHAB	MORAGA	7		
14212	82022	5687476	1956	288	31.8	12.4	8	12	REHAB	MORAGA	7		
14213	82025	5687476	1956	90	23.6	12.5	2	24	REHAB (SEE PE COMMENTS)	ECOCHEE	7	Install Cleanout (CO12)	
14214	82023	5687476	1956	339	23.55	12.5	6	12	POINT REPAIR & REHAB	ECOCHEE	7		From MH 106 to MH 613 Crack at joint @ 54'; Sag/Joint displacement @ 220'; exfiltration/cracked Joint displacement @ 223'; Circular crack at joint @ 280'.
14218	82017	82019	1956	200	18.8	10.9	8	24	REHAB	WICOPEE	7	Install New Manhole (NMH3)	
14219	82018	82019	1956	250	18.8	10.9	8	24	REHAB	CAFLUR	7		
14221	81790	82010	1965	219	12.0	6.9	4	12	REHAB	RAFFEE	4		
14222	82010	82011	1960	200	11.6	10.9	4	12	REHAB	RAFFEE	4		
14225	82015	82016	1964	205	11.0	5.9	4	24	REHAB	RAFFEE	4	Rehab MH (FSN# 82015)	
14226	82033	82016	1964	91	11.1	5.9	2	12	REHAB	RAFFEE	4	Sheet 5 totals 3721" of sewer Rehab	
14265	82069	82068	1956	350	20.6	12.8	10	12	POINT REPAIR & REHAB	CARSON	9	Rehab MH (FSN# 82068)	from MH 154 to MH 155 existing point repair at 116' to 119'; Possible Pipe sag 170' to 195'.
14266	82150	82069	1956	245	15	5.9	9	24	POINT REPAIR & REHAB	CARSON	9	Rehab MH (FSN# 82069)	from MH 240 to MH 155 Service connection cracked at 17'; pipe sag @ 59' to 107'.
14270	82074	82071	1954	195	23.4	6.8	4	24	REHAB	GROS VENTRE	8	Rehab MH (FSN# 82074)	
14271	82075	82074	1954	220	29.6	4.8	7	24	POINT REPAIR & REHAB	GROS VENTRE	8		From MH 160 to MH 161 Pipe sags @ 70' to 147'.
14272	82076	82075	1954	294	28.1	5.8	10	12	REHAB	GROS VENTRE	8		
14273	82078	82077	1954	115	10.4	5.9	4	60	REHAB	ECOCHEE	8	Install Cleanout (CO16)	
14274	82079	82076	1954	257	14.0	5.9	5	24	REHAB	GROS VENTRE	8		
14275	82080	82079	1954	203	12.5	6.9	8	24	REHAB	GROS VENTRE	8	Install Manhole (NMH4)	
14276	82081	82079	1963	180	12.5	6.9	5	12	REHAB	ECOCHEE	8	Install Cleanout (CO15)	From MH 165 to upstream clean out, existing point repair starting at clean out. Rehab remaining portion of pipe.
14286	82021	82093	1956	145	23.6	7.8	4	24	REHAB	TAOS	7		
14287	82092	82093	1956	133	23.6	7.8	3	12	REHAB	TAOS	7	Install Cleanout (CO11)	
14288	82093	82091	1956	272	25.6	6.8	9	6	REHAB	TAOS	7		
14289	82091	82089	1956	148	26.0	6.8	3	12	REHAB	TAOS	7		
14290	82090	82089	1956	53	0.5	6.8	3	24	REHAB	TAOS	7	Install Cleanout (CO13)	
14291	82089	82088	1956	194	20.7	6.8	4	12	REHAB	ECOCHEE	7		
14292	82088	82023	1956	200	20.9	7.8	7	12	REHAB	ECOCHEE	7	Sheet 8 totals 5848' of Sewer Rehab	
14349	82235	82150	1956	198	14.0	3.9	10	12	REHAB	CARSON	9	Install Cleanout (CO24)	
17920	85435	85498	1954	50	14.7	5.9	2	60	REHAB	FOX	8	Install Cleanout (CO14)	
17921	85498	85499	1954	265	20.4	6.8	4	24	REHAB	FOX	8	Replace MH (FSN# 85498)	
17922	85499	85500	1954	392	22.7	14.8	12	24	REHAB	EPANOW	8		
17923	85500	85501	1954	255	24.8	6.8	4	24	POINT REPAIR & REHAB	ALLEY	8	Replace MH (FSN# 85501), Rehab MH (FSN# 85500)	From MH 3 to MH 4, sag @ 27' to 37'.
17924	85501	85504	1954	165			3				8		
17925	85502	85501	1954	161	23.6	6.8	3	24	REHAB	ECOCHEE	8	Rehab MH (FSN# 85502)	
17926	82077	85502	1954	163	10.8	6.9	5	24	REHAB	ECOCHEE	8	Rehab MH (FSN# 82077)	
17927	85503	82075	1954	214	28.1	5.8	0	6	REHAB	GROS VENTRE	8	Easement	
17928	85504	85503	1954	151	26.1	13.8	1	12	REHAB	FORNEY	8	Easement	
17929	85506	85504	1954	60	24.0	13.8	4	12	POINT REPAIR & REHAB	FORNEY	8	Install Cleanout (CO17)	From MH 7 to upstream clean out, offset joint; heavy roots at 43', 50' and 55'; existing point repair but there is joint displacement as the location of material changes @ ~54ft.
17930	85505	85507	1954	25	11.3	5.9	2	24	REHAB	FORNEY	8	Install Cleanout (CO18)	
17931	85508	85509	1954	190	11.6	6.9	8	12	REHAB	EPANOW	8	Install Cleanout (CO19)	
17932	85509	85500	1954	296	22.7	14.8	9	24	REHAB	EPANOW	8		
17933	85520	85510	1954	165	13.7	5.9	8	12	REHAB	DATCHO	8	Install Cleanout (CO21)	
17934	85510	85511	1954	326	15.0	6.9	10	12	REHAB	DATCHO	8	Rehab MH (FSN# 85525)	
17935	85511	85512	1954	329	17.3	5.9	11	24	REHAB	DATCHO	8		
17936	85512	85498	1954	336	17.3	5.9	10	24	POINT REPAIR & REHAB	DATCHO	8		From MH 15 to MH 1, Pipe sag @ 8' to 47'.
17946	85522	85524	1954	160	11.0	6.9	7	12	REHAB	EPANOW	8	Install Cleanout (CO20)	
17947	85524	85525	1954	262	12.0	6.9	4	12	REHAB	CHIPPEWA	8	Rehab MH (FSN# 85510)	
17948	85507	85525	1954	319	12	6.9	10	12		FORNEY	8	Replace MH (FSN# 85507)	
17949	85525	82071	1954	259	20.3	6.9	4	24	REHAB	CHIPPEWA	8	Rehab MH (FSN# 82071)	
17950	85529	85525	1954	Abandon 133	12.0	6.9	0	24	Abandon sewer main.	FORNEY	8	Sheet 9 totals 6007' of Sewer Main Rehab	No lateral connections between MH and dead end plug. Abandon sewer Main.
17951	85526	82068	1956	344	20.6	12.8	9	24	POINT REPAIR & REHAB	BOONE	9	Rehab MH (FSN# 82068)	From MH 29 to MH 154, Sag @ 312' to 321'; Multiple Longitudinal cracks @ 324' to 328'.
17952	85527	85526	1956	180	16.8	7.9	2	24	POINT REPAIR & REHAB	CODY	9		From MH 30 to MH 29, Sag @ 63' to 114'.
17953	82070	85527	1956	125	12.8	7.9	6	24	REHAB	CODY	9	Install Cleanout (CO23)	
17954	85528	85526	1956	300	16.8	7.9	9	24	POINT REPAIR & REHAB	BOONE	9	Sheet 10 totals 2290' of Sewer Main Rehab	From MH 31 to MH 29, Broken Pipe @ 42'.
17955	85530	85528	1956	241	11.9	5.9	8	24	REHAB	BOONE	9	Rehab MH (FSN# 85530)	
17956	85531	85530	1956	244	11.0	5.9	8	24	REHAB	BOONE	9	Rehab MH (FSN# 85531)	
17957	85532	85531	1956	63	11.0	5.9	2	24	REHAB	ZED	9	Install Cleanout (CO22)	
				Total Sewer (FT)	28,272								
				Total Sewer (Miles)	5.4	Laterals		766					

APPENDIX K

SEWER MANHOLE/CLEANOUT REHABILITATION SPREADSHEETS

Bay Ho Improv 1 (S) - MH REHAB/REPAIR

Map Sheet	FAC_SEQ_NUM	FACTYPDESC	RIM_ELEV_Q	INVERT_ELE	DEPTH_QTY	INST_DT
7	81772	MANHOLE # 196	0.00	324.68	6.00	12/7/1956
5	81791	MANHOLE # 218	0.00	292.93	5.00	1/1/1964
8	81812	MANHOLE # 241	0.00	309.69	5.00	12/7/1956
6	81898	MANHOLE # 330	0.00	233.12	6.00	1/1/1964
6	81901	MANHOLE # 333	0.00	213.03	7.00	1/1/1964
6	81903	MANHOLE # 335	0.00	239.43	7.00	1/1/1964
6	81908	MANHOLE # 340	0.00	232.81	7.00	1/1/1964
6	81909	MANHOLE # 341	0.00	240.70	7.00	1/1/1964
6	81910	MANHOLE # 342	0.00	254.44	8.00	1/1/1964
4	81975	MANHOLE # 58	0.00	156.90	9.00	1/1/1964
4	81977	MANHOLE # 60	0.00	128.87	10.00	1/1/1964
5	81996	MANHOLE # 79	0.00	141.77	9.00	1/1/1964
5	81998	MANHOLE # 81	0.00	186.87	8.00	1/1/1964
5	81999	MANHOLE # 82	0.00	173.72	10.00	1/1/1964
5	82015	MANHOLE # 98	0.00	209.25	7.00	1/1/1964
5	82033	MANHOLE # 116	0.00	193.90	7.00	1/1/1964
10	82068	MANHOLE # 154	0.00	296.31	13.00	1/1/1956
10	82069	MANHOLE # 155	0.00	297.54	6.00	1/1/1956
9	82071	MANHOLE # 157	0.00	300.63	7.00	10/8/1954
9	82074	MANHOLE # 160	0.00	302.67	5.00	10/8/1954
9	82077	MANHOLE # 163	0.00	309.14	6.00	10/8/1954
9	85500	MANHOLE # 3	0.00	307.55	15.00	10/8/1954
9	85502	MANHOLE # 5	0.00	307.82	7.00	10/8/1954
9	85510	MANHOLE # 13	0.00	319.12	6.00	10/8/1954
9	85525	MANHOLE # 28	0.00	311.51	7.00	10/8/1954
10	85530	MANHOLE # 33	0.00	315.12	6.00	1/1/1956
10	85531	MANHOLE # 34	0.00	318.12	6.00	1/1/1956

Total Number

27

Bay Ho Improv 1 (S) B19088 - MH REPLACE

Map Sheet	FAC_SEQ_NUM	FACTYPDESC	INVERT_ELE	DEPTH_QTY	INST_DT
7	81775	MANHOLE # 199	314.52	6.00	1/23/1956
7	81782	MANHOLE # 208	312.83	16.00	1/23/1956
7	81936	MANHOLE # 371	311.64	14.00	1/23/1956
9	85498	MANHOLE # 1	313.62	6.00	10/8/1954
9	85501	MANHOLE # 4	306.53	7.00	10/8/1954
9	85507	MANHOLE # 10	318.22	6.00	10/8/1954

Total Number

6

Bay Ho Improv 1 (S) B19088 - NEW MH

Map Sheet	FAC_SEQ_NU	FACTYPDESC	DEPTH_QTY	INVERT_ELE	INST_DT	FLD BK PAGE
7	81769	PLUG	8.00	317.52	1/23/1956	D12S
8	81800	PLUG	7.00	316.51	8/17/1956	D12S
8	82017	PLUG	6.00	301.04	8/7/1956	D13S
9	82080	PLUG	5.00	313.62	10/8/1954	D13S

Total Number

4

Bay Ho Improv 1 (S) B19088 - NEW CLEANOUT

Map Sheet	FAC_SEQ_NUM	FACTYPDESC	DEPTH_QTY	INVERT_ELE	INST_DT
7	81778	PLUG - CO5	6.00	333.48	8/17/1956
7	81779	PLUG - CO6	6.00	332.61	8/17/1956
7	81797	PLUG - CO7	6.00	336.50	8/17/1956
8	81808	PLUG - CO8	6.00	328.03	12/7/1956
8	81809	PLUG - CO10	6.00	326.54	12/7/1956
8	81816	PLUG - CO9	6.00	324.62	12/7/1956
6	81912	PLUG - CO4	6.00	264.76	1/1/1964
6	81915	PLUG - CO3	8.00	280.46	1/1/1964
4	81991	PLUG - CO2	7.00	163.19	1/1/1964
8	82025	PLUG - CO12	6.00	299.08	8/17/1956
10	82070	PLUG - CO23	5.00	301.04	1/1/1956
9	82078	PLUG - CO16	5.00	311.10	10/8/1954
9	82081	PLUG - CO15	5.00	311.90	1/21/1963
8	82090	PLUG - CO13	5.00	305.96	8/17/1956
8	82092	PLUG - CO11	5.00	309.56	8/17/1956
10	82235	PLUG - CO24	3.00	299.09	1/1/1956
9	85435	PLUG - CO14	5.00	315.12	10/8/1954
9	85505	PLUG - CO18	6.00	319.12	10/8/1954
9	85506	PLUG - CO17	5.00	316.62	10/8/1954
9	85508	PLUG - CO19	6.00	324.62	10/8/1954
9	85520	PLUG - CO21	5.00	320.77	10/8/1954
9	85522	PLUG - CO20	6.00	325.73	10/8/1954
10	85532	PLUG - CO22	6.00	318.89	6/2/1957
2	5610689	PLUG - CO1	0.00	250.84	1/1/1972

Total Number

24

APPENDIX L

SEWER LATERALS REHABILITATION SPREADSHEETS

Bay Ho Improv 1 (S) B19088 SEWER LATERAL REHAB

Map Sheet	FSN	LATERAL SIZE (IN)	FIELD BOOK PAGE	THOMAS BROTHERS	STRT_NUM	LENGTH
8	184770	4	E13S	1248E3	4135 DATCHO DR	83
7	184773	4	D13S	1248D3	3315 WICOPEE PL	78
7	184779	4	D13S	1248D3	4081 TAOS DR	77
8	184792	4	D13S	1248E3	3860 ECOCHEE AV	98
8	184796	4	D13S	1248E3	3880 ECOCHEE AV	96
7	184805	4	D13S	1248D3	4120 MORAGA AV	77
8	184813	4	E13S	1248E3	4115 EPANOW AV	85
7	184824	4	D13S	1248D3	4119 MORAGA AV	85
8	184850	4	D13S	1248E3	3920 ECOCHEE AV	84
8	184854	4	D13S	1248E3	3861 ECOCHEE AV	86
4	184860	4	D13S	1248D3	3255 WHEAT ST	77
4	184863	4	D13S	1248D3	3285 WHEAT ST	83
4	184865	4	D13S	1248D3	3225 WHEAT ST	78
7	184916	4	D13S	1248D3	3440 TAOS PL	90
8	184931	4	E13S	1248E3	4120 DATCHO DR	66
4	184940	4	D13S	1248C3	4086 AVATI DR	84
7	184944	4	D13S	1248D3	4114 MORAGA AV	65
8	184946	4	E13S	1248E3	4119 DATCHO DR	84
8	184949	4	D13S	1248E3	4085 GROS VENTRE AV	76
8	184951	4	D13S	1248E3	3940 ECOCHEE AV	77
7	184953	4	D13S	1248D3	4113 MORAGA AV	93
8	184996	4	E13S	1248E3	4089 EPANOW AV	81
7	185005	4	D13S	1248D3	4051 TAOS DR	85
8	185014	4	E13S	1248E3	4112 DATCHO DR	67
7	185018	4	D13S	1248D3	3441 TAOS PL	90
7	185023	4	D13S	1248D3	3461 TAOS PL	82
8	185041	4	D13S	1248E3	3950 ECOCHEE AV	71
8	185046	4	E13S	1248E3	4040 ECOCHEE AV	84
8	310010	4	E13S	1248E3	4020 FOX AV	88
7	310030	4	D13S	1248D3	4109 CAFLUR AV	73
7	310031	4	D13S	1248D3	4152 MORAGA AV	82
4	310036	4	D13S	1248C3	4120 AVATI DR	82
7	310037	4	D13S	1248D3	4121 TAOS DR	80
4	310048	4	D13S	1248D3	4143 RAFFEE DR	75
8	310051	4	E13S	1248E3	4164 EPANOW AV	98
7	310080	4	D13S	1248D3	4101 CAFLUR AV	79
8	310087	4	E13S	1248E3	4155 EPANOW AV	80
8	310090	4	E13S	1248E3	4164 DATCHO DR	67
4	310093	4	D13S	1248C3	4114 AVATI DR	82
4	310095	4	D13S	1248D3	4136 RAFFEE DR	80

8	310099	4	E13S	1248E3	4163 DATCHO DR	84
7	310103	4	D13S	1248D3	4143 MORAGA AV	82
4	310105	4	D13S	1248D3	4117 AVATI DR	79
7	310106	4	D13S	1248D3	4115 TAOS DR	80
7	310116	4	D13S	1248D3	4102 CAFLUR AV	81
8	310123	4	D13S	1248E3	4124 GROS VENTRE AV	75
8	310128	4	E13S	1248E3	4154 EPANOW AV	100
8	310174	4	D13S	1248E3	4114 GROS VENTRE AV	74
8	310175	4	E13S	1248E3	4144 EPANOW AV	76
4	310185	4	D13S	1248D3	4119 RAFFEE DR	76
7	310218	4	D13S	1248D3	4131 MORAGA AV	90
8	310220	4	E13S	1248E3	4144 DATCHO DR	72
8	310231	4	E13S	1248E3	4143 DATCHO DR	78
8	310237	4	E13S	1248E3	4134 EPANOW AV	72
7	310238	4	D13S	1248D3	4108 TAOS DR	75
7	310239	4	D13S	1248D3	4101 TAOS DR	74
8	310251	4	D13S	1248E3	4103 GROS VENTRE AV	76
8	310274	4	E13S	1248E3	4125 EPANOW AV	87
4	310276	4	D13S	1248C3	4098 AVATI DR	83
4	310277	4	D13S	1248D3	3282 WHEAT ST	84
4	310278	4	D13S	1248D3	3242 WHEAT ST	78
7	310290	4	D13S	1248D3	4125 MORAGA AV	85
7	310292	4	D13S	1248D3	4102 TAOS DR	84
7	310300	4	D13S	1248D3	3303 WICOPEE PL	105
8	310310	4	E13S	1248E3	4124 EPANOW AV	70
8	310329	4	E13S	1248E3	4128 DATCHO DR	70
4	310330	4	D13S	1248C3	4092 AVATI DR	82
4	310332	4	D13S	1248D3	3205 WHEAT ST	78
8	310334	4	E13S	1248E3	4127 DATCHO DR	83
7	310349	4	D13S	1248D3	4071 TAOS DR	87
4	310350	4	D13S	1248D3	3215 WHEAT ST	78
4	310351	4	D13S	1248D3	3275 WHEAT ST	77
4	310353	4	D13S	1248D3	3265 WHEAT ST	77
4	310354	4	D13S	1248D3	3245 WHEAT ST	77
4	310356	4	D13S	1248D3	3235 WHEAT ST	78
8	310368	4	D13S	1248E3	3930 ECOCHEE AV	81
8	310388	4	E13S	1248E3	4105 EPANOW AV	82
7	310400	4	D13S	1248D3	4070 TAOS DR	70
8	310406	4	D13S	1248E3	4086 GROS VENTRE AV	79
8	310408	4	D13S	1248E3	3881 ECOCHEE AV	79
7	310415	4	D13S	1248D3	4061 TAOS DR	90
8	185067	4	E13S	1248E3	4010 ECOCHEE AV	84
4	185070	4	D13S	1248C3	4082 AVATI DR	83
8	185083	4	E13S	1248E3	4111 DATCHO DR	80
8	185092	4	E13S	1248E3	3982 ECOCHEE AV	85
8	185097	4	E13S	1248E3	4082 EPANOW AV	68
8	185107	4	E13S	1248E3	3972 ECOCHEE AV	63

8	185118	4	E13S	1248E3	4081 EPANOW AV	85
4	185160	4	D13S	1248D3	3204 NORTH STAR DR	74
8	185184	4	E13S	1248E3	4101 DATCHO DR	75
4	185188	4	D13S	1248D3	3214 NORTH STAR DR	76
7	310446	4	D13S	1248D3	4060 TAOS DR	67
8	310473	4	D13S	1248E3	4078 GROS VENTRE AV	80
8	310485	4	D13S	1248E3	3931 ECOCHEE AV	76
8	310487	4	D13S	1248E3	4077 GROS VENTRE AV	76
7	310488	4	D13S	1248D3	4107 MORAGA AV	97
7	310493	4	D13S	1248D3	4108 MORAGA AV	67
7	310500	4	D13S	1248D3	4043 TAOS DR	79
7	310502	4	D13S	1248D3	4050 TAOS DR	67
8	310524	4	E13S	1248E3	3962 ECOCHEE AV	80
8	310532	4	D13S	1248E3	4070 GROS VENTRE AV	84
8	310533	4	D13S	1248E3	3941 ECOCHEE AV	83
8	310550	4	E13S	1248E3	4102 DATCHO DR	73
7	310552	4	D13S	1248D3	3404 ECOCHEE AV	91
7	310556	4	D13S	1248D3	4042 TAOS DR	73
7	310576	4	D13S	1248D3	4035 TAOS DR	79
5	310580	4	D13S	1248D3	3244 NORTH STAR DR	76
7	310584	4	D13S	1248D3	4102 MORAGA AV	113
4	185196	4	D13S	1248C3	4078 AVATI DR	81
4	185200	4	D13S	1248D3	3264 NORTH STAR DR	76
4	185201	4	D13S	1248D3	3254 NORTH STAR DR	76
4	185208	4	D13S	1248D3	3234 NORTH STAR DR	77
4	185209	4	D13S	1248D3	3224 NORTH STAR DR	77
8	185214	4	D13S	1248E3	3951 ECOCHEE AV	85
8	185221	4	E13S	1248E3	3961 ECOCHEE AV	56
8	185297	4	E13S	1248E3	3971 ECOCHEE AV	87
7	185311	4	D13S	1248D3	4034 TAOS DR	73
7	185312	4	D13S	1248D3	3370 ECOCHEE AV	90
4	185329	4	D13S	1248D3	3201 NORTH STAR DR	78
8	310591	4	E13S	1248E3	4074 EPANOW AV	67
8	310611	4	E13S	1248E3	4091 FORNEY AV	76
8	310615	4	E13S	1248E3	4073 EPANOW AV	82
8	310618	4	E13S	1248E3	4092 DATCHO DR	72
8	310623	4	D13S	1248E3	4064 GROS VENTRE AV	91
7	310627	4	D13S	1248D3	4027 TAOS DR	81
8	310635	4	E13S	1248E3	3981 ECOCHEE AV	86
8	310646	4	E13S	1248E3	4091 DATCHO DR	81
4	310656	4	D13S	1248C3	4072 AVATI DR	75
8	310658	4	D13S	1248E3	4065 GROS VENTRE AV	76
8	310662	4	E13S	1248000	4081 FORNEY AV	77
4	310672	4	D13S	1248D3	3211 NORTH STAR DR	77
4	310680	4	D13S	1248D3	4075 RAFFEE DR	77
4	310684	4	D13S	1248D3	3267 NORTH STAR DR	77
4	310685	4	D13S	1248D3	3251 NORTH STAR DR	77

4	310687	4	D13S	1248D3	3219 NORTH STAR DR	77
7	310690	4	D13S	1248D3	3414 ECOCHEE AV	88
7	310694	4	D13S	1248D3	3424 ECOCHEE AV	82
8	310700	4	E13S	1248E3	4082 DATCHO DR	69
7	310705	4	D13S	1248D3	3432 ECOCHEE AV	74
8	310712	4	D13S	1248E3	4053 GROS VENTRE AV	84
8	310726	4	E13S	1248E3	4071 FORNEY AV	78
7	310727	4	D13S	1248D3	3448 ECOCHEE AV	71
8	310748	4	E13S	1248E3	4070 FORNEY AV	75
8	310768	4	E13S	1248E3	4057 EPANOW AV	72
7	310787	4	D13S	1248D3	3460 ECOCHEE AV	81
4	310798	4	D13S	1248C3	4062 AVATI DR	63
8	185341	4	E13S	1248E3	4065 EPANOW AV	81
4	185352	4	D13S	1248D3	3243 NORTH STAR DR	77
8	185353	4	E13S	1248E3	4066 EPANOW AV	69
4	185356	4	D13S	1248D3	3235 NORTH STAR DR	77
7	185358	4	D13S	1248D3	3371 ECOCHEE AV	88
4	185360	4	D13S	1248D3	3227 NORTH STAR DR	77
8	185379	4	D13S	1248E3	4058 GROS VENTRE AV	92
7	185399	4	D13S	1248D3	4019 TAOS DR	79
7	185412	4	D13S	1248D3	3440 ECOCHEE AV	67
4	185418	4	D13S	1248C3	4068 AVATI DR	71
8	185424	4	E13S	1248E3	4081 DATCHO DR	82
7	185452	4	D13S	1248D3	4011 TAOS DR	94
8	185453	4	D13S	1248E3	4052 GROS VENTRE AV	74
8	185456	4	E13S	1248E3	4058 EPANOW AV	73
4	185466	4	D13S	1248D3	4071 RAFFEE DR	78
8	185468	4	D13S	1248E3	4047 GROS VENTRE AV	88
7	185472	4	D13S	1248D3	3476 ECOCHEE AV	77
7	185487	4	D13S	1248D3	3411 ECOCHEE AV	72
7	185499	4	D13S	1248D3	3421 ECOCHEE AV	70
8	185501	4	E13S	1248E3	4072 DATCHO DR	67
7	185521	4	D13S	1248D3	3431 ECOCHEE AV	76
8	185527	4	E13S	1248E3	4071 DATCHO DR	83
8	185528	4	D13S	1248E3	4046 GROS VENTRE AV	70
3	185532	4	D13S	1248D3	4071 AVATI DR	93
8	185553	4	E13S	1248E3	4061 FORNEY AV	83
7	310807	4	D13S	1248D3	4010 TAOS DR	80
8	310814	4	E13S	1248E3	4070 FORNEY AV	59
8	310825	4	D13S	1248E3	4041 GROS VENTRE AV	93
4	310836	4	D13S	1248C3	4063 AVATI DR	94
7	310843	4	D13S	1248D3	3485 ECOCHEE AV	80
8	310845	4	E13S	1248E3	4049 EPANOW AV	75
4	310847	4	D13S	1248D3	4067 RAFFEE DR	79
8	310869	4	D13S	1248E3	4035 GROS VENTRE AV	85
7	310883	4	D13S	1248D3	3475 ECOCHEE AV	74
8	310915	4	D13S	1248E3	4034 GROS VENTRE AV	71

3	310925	4	D13S	1248D3	3232 EICHENLAUB ST	79
3	310928	4	D13S	1248D3	3212 EICHENLAUB ST	79
8	310929	4	E13S	1248E3	4052 DATCHO DR	71
8	310963	4	D13S	1248E3	4028 GROS VENTRE AV	66
8	310984	4	D13S	1248E3	4023 GROS VENTRE AV	96
8	310994	4	E13S	1248E3	4041 FORNEY AV	74
3	311017	4	D13S	1248D3	3231 EICHENLAUB ST	80
3	311018	4	D13S	1248D3	3211 EICHENLAUB ST	81
4	311022	4	D13S	1248D3	4060 RAFFEE DR	77
8	185566	4	E13S	1248E3	4050 EPANOW AV	76
7	185573	4	D13S	1248D3	3439 ECOCHEE AV	97
7	185588	4	D13S	1248D3	4002 TAOS DR	95
7	185596	4	D13S	1248D3	3447 ECOCHEE AV	90
8	185604	4	D13S	1248E3	4040 GROS VENTRE AV	66
8	185609	4	E13S	1248E3	4060 FORNEY AV	99
8	185611	4	E13S	1248E3	4062 DATCHO DR	68
7	185629	4	D13S	1248D3	3455 ECOCHEE AV	93
8	185631	4	E13S	1248E3	4061 DATCHO DR	81
7	185656	4	D13S	1248D3	3465 ECOCHEE AV	87
8	185676	4	E13S	1248E3	4042 EPANOW AV	73
4	185696	4	D13S	1248D3	4063 RAFFEE DR	79
8	185699	4	D13S	1248E3	4029 GROS VENTRE AV	78
3	185707	4	D13S	1248D3	3286 EICHENLAUB ST	78
8	185711	4	E13S	1248E3	4051 DATCHO DR	78
3	185712	4	D13S	1248D3	3278 EICHENLAUB ST	80
3	185715	4	D13S	1248D3	3270 EICHENLAUB ST	79
3	185716	4	D13S	1248D3	3262 EICHENLAUB ST	80
3	185718	4	D13S	1248D3	3252 EICHENLAUB ST	79
3	185719	4	D13S	1248D3	3242 EICHENLAUB ST	79
8	185721	4	E13S	1248E3	4041 EPANOW AV	77
3	185722	4	D13S	1248D3	3222 EICHENLAUB ST	79
8	185754	4	E13S	1248E3	4051 FORNEY AV	108
8	185755	4	E13S	1248E3	4050 FORNEY AV	95
8	311054	4	D13S	1248E3	4021 GROS VENTRE AV	92
8	311069	4	E13S	1248E3	4032 DATCHO DR	77
8	311076	4	E13S	1248E3	4031 FORNEY AV	75
8	311095	4	E13S	1248E3	4030 FORNEY AV	71
8	311126	4	D13S	1248E3	4015 GROS VENTRE AV	80
8	311148	4	D13S	1248E3	4016 GROS VENTRE AV	60
8	311156	4	E13S	1248E3	4022 DATCHO DR	75
8	311169	4	E13S	1248E3	4020 FORNEY AV	69
8	311204	4	E13S	1248E3	4011 FORNEY AV	75
8	311205	4	D13S	1248E3	4008 GROS VENTRE AV	64
8	311231	4	E13S	1248E3	4009 EPANOW AV	79
8	185788	4	E13S	1248E3	4034 EPANOW AV	76
8	185804	4	E13S	1248E3	4042 DATCHO DR	78
8	185809	4	E13S	1248E3	4033 EPANOW AV	77

4	185819	4	D13S	1248D3	4059 RAFFEE DR	77
8	185820	4	E13S	1248E3	4040 FORNEY AV	74
8	185833	4	E13S	1248E3	4041 DATCHO DR	74
3	185859	4	D13S	1248D3	3221 EICHENLAUB ST	81
3	185861	4	D13S	1248C3	3207 EICHENLAUB ST	83
3	185872	4	D13S	1248D3	4062 CADDEN WY	85
3	185881	4	D13S	1248C3	3201 EICHENLAUB ST	110
8	185889	4	D13S	1248E3	4022 GROS VENTRE AV	56
8	185899	4	E13S	1248E3	4026 EPANOW AV	89
8	185915	4	E13S	1248E3	4025 EPANOW AV	95
8	185941	4	E13S	1248E3	4031 DATCHO DR	77
8	311253	4	E13S	1248E3	4010 EPANOW AV	75
8	311263	4	E13S	1248E3	4010 FORNEY AV	65
3	311292	4	D13S	1248D4	3218 PETUNIA CT	87
3	311296	4	D13S	1248D4	3248 PETUNIA CT	75
3	311304	4	D13S	1248D4	4037 CADDEN WY	78
8	311337	4	D13S	1248E3	4003 GROS VENTRE AV	93
8	311338	4	E13S	1248E3	4001 FORNEY AV	76
8	311344	4	E13S	1248E3	4001 EPANOW AV	78
8	186027	4	E13S	1248E3	4021 FORNEY AV	76
8	186031	4	E13S	1248E3	4021 DATCHO DR	75
8	186072	4	D13S	1248E3	4009 GROS VENTRE AV	92
8	186087	4	E13S	1248E3	4017 EPANOW AV	87
8	186088	4	E13S	1248E3	4018 EPANOW AV	97
3	186122	4	D13S	1248C3	3210 PETUNIA CT	63
8	186133	4	E13S	1248E3	4012 DATCHO DR	88
8	186134	4	E13S	1248E3	4011 DATCHO DR	87
3	311397	4	D13S	1248D4	4031 CADDEN WY	83
3	311400	4	D13S	1248D4	3225 PETUNIA CT	77
3	311401	4	D13S	1248D4	3231 PETUNIA CT	77
3	311403	4	D13S	1248D4	3247 PETUNIA CT	77
8	311531	4	E13S	1248E4	3931 CHIPPEWA CT	78
8	311533	4	E13S	1248E4	3951 CHIPPEWA CT	78
8	311534	4	E13S	1248E4	3971 CHIPPEWA CT	78
8	311539	4	E13S	1248E4	4071 CHIPPEWA CT	78
3	186202	4	D13S	1248D4	3226 PETUNIA CT	76
3	186203	4	D13S	1248D4	3232 PETUNIA CT	76
3	186205	4	D13S	1248D4	3240 PETUNIA CT	76
3	186276	4	D13S	1248C4	3202 PETUNIA CT	66
8	186287	4	D13S	1248E3	4002 GROS VENTRE AV	63
8	186294	4	E13S	1248E3	4002 EPANOW AV	74
8	186314	4	E13S	1248E3	4002 FORNEY AV	74
3	186348	4	D13S	1248C4	3209 PETUNIA CT	105
9	311782	4	D13S	1248E4	3838 BOONE ST	78
9	311784	4	D13S	1248E4	3848 BOONE ST	78
9	311786	4	D13S	1248E4	3862 BOONE ST	77
9	311787	4	D13S	1248E4	3876 BOONE ST	78

9	311788	4	D13S	1248E4	3890 BOONE ST	78
9	311797	4	E13S	1248E4	3930 BOONE ST	78
9	311799	4	E13S	1248E4	3950 BOONE ST	78
9	311802	4	E13S	1248E4	4092 BOONE ST	93
9	311803	4	E13S	1248E4	4082 BOONE ST	93
9	311806	4	E13S	1248E4	4072 BOONE ST	79
9	311807	4	E13S	1248E4	4062 BOONE ST	80
9	311808	4	E13S	1248E4	4052 BOONE ST	83
9	311811	4	E13S	1248E4	4042 BOONE ST	83
9	311893	4	D13S	1248E4	3986 CARSON ST	78
3	186375	4	D13S	1248D4	3239 PETUNIA CT	77
3	186389	4	D13S	1248D4	3217 PETUNIA CT	89
8	186405	4	E13S	1248E3	3950 CHIPPEWA CT	77
3	186519	4	D13S	1248D4	4027 CADDEN WY	112
8	186577	4	E13S	1248E4	4011 CHIPPEWA CT	77
8	186580	4	E13S	1248E4	4031 CHIPPEWA CT	77
8	186585	4	E13S	1248E4	4051 CHIPPEWA CT	77
8	186594	4	E13S	1248E4	4111 CHIPPEWA CT	104
9	311930	4	E13S	1248E4	3929 BOONE ST	77
9	311939	4	E13S	1248E4	3971 BOONE ST	81
9	311940	4	E13S	1248E4	3991 BOONE ST	80
9	311941	4	E13S	1248E4	4031 BOONE ST	80
9	311942	4	E13S	1248E4	4041 BOONE ST	80
9	311982	4	D13S	1248E4	3971 CARSON ST	79
9	311987	4	D13S	1248E4	3972 CARSON ST	78
9	312118	4	D13S	1248E4	3850 CODY ST	100
9	186941	4	E13S	1248E4	3910 BOONE ST	78
9	186945	4	E13S	1248E4	3970 BOONE ST	77
9	186946	4	E13S	1248E4	3971 ZED ST	77
9	186950	4	E13S	1248E4	4032 BOONE ST	75
9	186951	4	E13S	1248E4	4022 BOONE ST	78
9	186952	4	E13S	1248E4	4010 BOONE ST	78
9	186987	4	E13S	1248E4	3969 ZED ST	76
9	187063	4	D13S	1248E4	3835 BOONE ST	78
9	312375	4	D13S	1248E4	3911 CARSON ST	88
9	312391	4	D13S	1248E4	3902 CARSON ST	66
9	312457	4	D13S	1248E4	3901 CARSON ST	94
9	312480	4	D13S	1248E4	3890 CARSON ST	64
9	312528	4	D13S	1248E4	3891 CARSON ST	93
9	312535	4	D13S	1248E4	3876 CARSON ST	73
9	187097	4	E13S	1248E4	3951 BOONE ST	77
9	187101	4	E13S	1248E4	4061 BOONE ST	76
9	187103	4	E13S	1248E4	4051 BOONE ST	76
9	187107	4	E13S	1248E4	4071 BOONE ST	77
9	187114	4	E13S	1248E4	4081 BOONE ST	79
9	187118	4	E13S	1248E4	4021 BOONE ST	80
9	187125	4	E13S	1248E4	4011 BOONE ST	83

9	187128	4	E13S	1248E4	3947 ZED ST	81
9	187240	4	E13S	1248E4	3885 CODY ST	70
9	187272	4	D13S	1248E4	3959 CARSON ST	78
9	187286	4	D13S	1248E4	3958 CARSON ST	77
9	312599	4	D13S	1248E4	3879 CARSON ST	92
9	312622	4	D13S	1248E4	3854 CARSON ST	73
9	312652	4	D13S	1248E4	3867 CARSON ST	87
9	187330	4	E13S	1248E4	3877 CODY ST	79
9	187365	4	D13S	1248E4	3862 CODY ST	96
9	187386	4	D13S	1248E4	3944 CARSON ST	77
9	187395	4	D13S	1248E4	3943 CARSON ST	80
9	187439	4	E13S	1248E4	3869 CODY ST	90
9	187484	4	D13S	1248E4	3863 CODY ST	84
9	187500	4	D13S	1248E4	3931 CARSON ST	79
9	187531	4	D13S	1248E4	3851 CODY ST	95
9	187545	4	D13S	1248E4	3930 CARSON ST	76
9	187567	4	D13S	1248E4	3857 CODY ST	96
9	375043	4	D13S	1248E4	3861 BOONE ST	79
9	375044	4	D13S	1248E4	3875 BOONE ST	79
9	375045	4	D13S	1248E4	3889 BOONE ST	79
9	187644	4	D13S	1248E4	3916 CARSON ST	71
9	187649	4	D13S	1248E4	3923 CARSON ST	89
9	187961	4	D13S	1248E4	3876 CARSON ST	20
9	188086	4	D13S	1248E4	3844 CARSON ST	74
9	188119	4	D13S	1248E4	3855 CARSON ST	87
9	188129	4	D13S	1248E4	3832 CARSON ST	82
9	188140	4	D13S	1248E4	3820 CARSON ST	122
9	188184	4	D13S	1248E4	3843 CARSON ST	82
9	188242	4	D13S	1248E4	3831 CARSON ST	81
9	188324	4	D13S	1248E4	3819 CARSON ST	106
8	1129928	4	E13S	1248E3	4070 ECOCHEE AV	79
1	181369	4	D12S	1248C2	3058 COURSER AV	75
6	181381	4	D12S	1248D2	4391 TAOS DR	99
6	181382	4	D12S	1248D2	4386 TAOS DR	93
1	181388	4	D12S	1248C2	3050 COURSER AV	77
6	181401	4	D12S	1248D2	4379 TAOS DR	97
6	181409	4	D12S	1248D2	4378 TAOS DR	85
1	181413	4	D12S	1248C2	3042 COURSER AV	78
6	181441	4	D12S	1248D2	4373 TAOS DR	80
1	181453	4	D12S	1248C2	3026 COURSER AV	69
6	181474	4	D12S	1248D2	4372 TAOS DR	79
1	181477	4	D12S	1248C2	3053 COURSER AV	75
1	181492	4	D12S	1248C2	3010 COURSER AV	76
1	181557	4	D12S	1248C2	3019 COURSER AV	69
1	181566	4	D12S	1248C2	4375 COURSER CT	95
6	181578	4	D12S	1248D2	4366 TAOS DR	94
1	181630	4	D12S	1248C2	4372 COURSER CT	95

6	181634	4	D12S	1248D2	4373 QUAPAW AV	69
6	181639	4	D12S	1248D2	4309 KAMLOOP AV	76
6	181644	4	D12S	1248D2	4315 KAMLOOP AV	76
1	181653	4	D12S	1248C2	4365 COURSER CT	99
6	181667	4	D12S	1248D2	4365 QUAPAW AV	81
1	181684	4	D12S	1248C2	2953 COURSER AV	71
1	181715	4	D12S	1248C2	4364 COURSER CT	95
1	181756	4	D12S	1248C2	4355 COURSER CT	95
6	181759	4	D12S	1248D2	4355 QUAPAW AV	73
1	181763	4	D12S	1248C2	2946 COURSER AV	82
6	181782	4	D12S	1248D2	4357 TAOS DR	76
1	181783	4	D12S	1248C2	2943 COURSER AV	72
6	181804	4	D12S	1248D2	4330 MORAGA AV	80
6	181825	4	D12S	1248D2	4345 QUAPAW AV	70
1	181870	4	D12S	1248C2	2936 COURSER AV	79
1	181885	4	D12S	1248C3	2933 COURSER AV	89
6	181949	4	D12S	1248D2	4342 TAOS DR	88
6	181970	4	D12S	1248D2	4330 MORAGA AV	80
6	182003	4	D12S	1248D2	4325 QUAPAW AV	69
1	182024	4	D12S	1248C3	2923 COURSER AV	95
6	182060	4	D12S	1248D3	4330 MORAGA AV	80
6	182099	4	D12S	1248D3	4326 TAOS DR	83
6	182112	4	D12S	1248D3	4314 QUAPAW AV	86
6	182141	4	D12S	1248D3	4319 TAOS DR	77
6	182144	4	D12S	1248D3	4312 MORAGA AV	81
6	182208	4	D12S	1248D3	4311 TAOS DR	77
6	182209	4	D12S	1248D3	4302 MORAGA AV	84
6	182260	4	D12S	1248D3	4283 QUAPAW AV	80
6	182289	4	D12S	1248D3	4286 QUAPAW AV	83
6	182333	4	D12S	1248D3	4295 MORAGA AV	76
6	182392	4	D12S	1248D3	4281 TAOS DR	76
6	182401	4	D12S	1248D3	4271 QUAPAW AV	79
6	182432	4	D12S	1248D3	4282 TAOS DR	80
5	182436	4	D12S	1248C3	3058 DRISCOLL DR	74
5	182437	4	D12S	1248C3	3050 DRISCOLL DR	115
5	182451	4	D12S	1248C3	3066 DRISCOLL DR	79
6	182452	4	D12S	1248D3	4290 MORAGA AV	85
6	182454	4	D12S	1248D3	4265 QUAPAW AV	80
6	182489	4	D12S	1248D3	4275 TAOS DR	78
6	182490	4	D12S	1248D3	4268 QUAPAW AV	77
2	182503	4	D12S	1248C3	4331 CONNER CT	83
2	182505	4	D12S	1248C3	4343 CONNER CT	91
6	182514	4	D12S	1248D3	4259 QUAPAW AV	81
6	182524	4	D12S	1248D3	4276 TAOS DR	75
2	182525	4	D12S	1248C3	4319 CONNER CT	77
6	182540	4	D12S	1248D3	4281 MORAGA AV	75
2	182550	4	D12S	1248C3	4367 CONNER CT	86

6	182558	4	D12S	1248D3	4253 QUAPAW AV	82
6	182567	4	D12S	1248D3	4270 TAOS DR	81
2	182568	4	D12S	1248C3	4379 CONNER CT	83
2	182569	4	D12S	1248C3	4391 CONNER CT	88
6	182594	4	D12S	1248D3	4275 MORAGA AV	78
6	182611	4	D12S	1248D3	4263 TAOS DR	78
6	182623	4	D12S	1248D3	4264 TAOS DR	79
5	182627	4	D12S	1248C3	3106 DRISCOLL DR	76
6	182631	4	D12S	1248D3	4247 QUAPAW AV	83
2	182632	4	D12S	1248C3	4366 CONNER CT	74
6	182636	4	D12S	1248D3	4278 MORAGA AV	83
2	182637	4	D12S	1248C3	4390 CONNER CT	96
5	182642	4	D12S	1248C3	3099 DRISCOLL DR	79
6	182677	4	D12S	1248D3	4258 TAOS DR	78
2	182689	4	D12S	1248C3	4378 CONNER CT	107
2	182691	4	D12S	1248C3	4277 CONNER CT	73
5	182692	4	D12S	1248C3	3103 DRISCOLL DR	82
6	182703	4	D12S	1248D3	4251 TAOS DR	80
6	182714	4	D12S	1248D3	4235 QUAPAW AV	86
2	182718	4	D12S	1248C3	4278 CONNER CT	79
6	182727	4	D12S	1248D3	4252 TAOS DR	78
2	182754	4	D12S	1248C3	4267 CONNER CT	74
6	182755	4	D12S	1248D3	4245 TAOS DR	89
6	182774	4	D12S	1248D3	4246 TAOS DR	72
6	182777	4	D12S	1248D3	4229 QUAPAW AV	80
5	182798	4	D12S	1248D3	4269 AVATI DR	80
6	182802	4	D12S	1248D3	4262 MORAGA AV	82
5	182832	4	D12S	1248C3	3131 WAYNE LN	94
5	182841	4	D12S	1248C3	3139 WAYNE LN	76
5	182849	4	D12S	1248C3	3147 WAYNE LN	80
2	182852	4	D12S	1248C3	4257 CONNER CT	75
5	182858	4	D12S	1248D3	3161 WAYNE LN	71
6	182859	4	D12S	1248D3	4223 QUAPAW AV	77
5	182863	4	D12S	1248D3	3167 WAYNE LN	72
5	182866	4	D12S	1248D3	4263 AVATI DR	80
5	182867	4	D12S	1248D3	3181 WAYNE LN	71
6	182868	4	D12S	1248D3	4256 MORAGA AV	80
5	182871	4	D12S	1248D3	3197 WAYNE LN	77
5	182875	4	D12S	1248C3	3125 DRISCOLL DR	80
1	308025	4	D12S	1248C2	3034 COURSER AV	78
1	308057	4	D12S	1248C2	3018 COURSER AV	77
1	308074	4	D12S	1248C2	4380 COURSER CT	79
1	308112	4	D12S	1248C2	3002 COURSER AV	86
6	182927	4	D12S	1248D3	4233 TAOS DR	101
6	182928	4	D12S	1248D3	4234 TAOS DR	57
2	182939	4	D12S	1248C3	4247 CONNER CT	75
5	182941	4	D12S	1248D3	4257 AVATI DR	82

5	182952	4	D12S	1248D3	3147 DRISCOLL DR	74
2	182953	4	D12S	1248C3	4248 CONNER CT	80
5	182957	4	D12S	1248D3	3151 DRISCOLL DR	75
5	182963	4	D12S	1248D3	3165 DRISCOLL DR	72
5	182965	4	D12S	1248D3	3173 DRISCOLL DR	71
6	182966	4	D12S	1248D3	4217 QUAPAW AV	69
5	182971	4	D12S	1248D3	3179 DRISCOLL DR	72
5	182972	4	D12S	1248D3	3185 DRISCOLL DR	71
6	183000	4	D12S	1248D3	4227 TAOS DR	79
6	183002	4	D12S	1248D3	4228 TAOS DR	63
5	183013	4	D12S	1248D3	4251 AVATI DR	83
2	183042	4	D12S	1248C3	4237 CONNER CT	76
6	183054	4	D12S	1248D3	4296 TACOMA ST	79
6	183073	4	D12S	1248D3	4221 TAOS DR	75
2	183079	4	D12S	1248C3	4238 CONNER CT	80
7	183088	4	D12S	1248D3	4214 QUAPAW AV	88
6	183105	4	D12S	1248D3	4222 TAOS DR	73
6	183109	4	D12S	1248D3	4288 TACOMA ST	78
7	183119	4	D12S	1248D3	4207 QUAPAW AV	70
5	183127	4	D12S	1248C3	3151 BRILLDEN CT	69
1	308184	4	D12S	1248C2	2956 COURSER AV	85
6	308241	4	D12S	1248D2	4302 KAMLOOP AV	83
6	308248	4	D12S	1248D2	4358 TAOS DR	77
6	308257	4	D12S	1248D2	4327 MORAGA AV	79
6	308294	4	D12S	1248D2	4350 TAOS DR	82
6	308305	4	D12S	1248D2	4349 TAOS DR	72
6	308322	4	D12S	1248D2	4321 MORAGA AV	79
6	308330	4	D12S	1248D2	4344 QUAPAW AV	85
6	308343	4	D12S	1248D2	4335 QUAPAW AV	70
6	308366	4	D12S	1248D2	4339 TAOS DR	65
7	183160	4	D12S	1248D3	4208 QUAPAW AV	86
7	183194	4	D12S	1248D3	4207 QUAPAW AV	72
7	183209	4	D12S	1248D3	4209 TAOS DR	79
2	183218	4	D12S	1248C3	4217 CONNER CT	77
7	183220	4	D12S	1248D3	4183 NEMAHA DR	70
5	183225	4	D12S	1248D3	3161 BRILLDEN CT	73
7	183230	4	D12S	1248D3	4202 QUAPAW AV	83
5	183246	4	D12S	1248D3	4231 AVATI DR	93
7	183247	4	D12S	1248D3	4175 NEMAHA DR	84
5	183250	4	D12S	1248D3	3151 FRYDEN CT	67
5	183251	4	D12S	1248D3	3161 FRYDEN CT	67
5	183253	4	D12S	1248D3	3169 FRYDEN CT	68
5	183255	4	D12S	1248D3	3177 FRYDEN CT	70
7	183257	4	D12S	1248D3	4210 TAOS DR	79
7	183284	4	D12S	1248D3	4167 NEMAHA DR	83
2	183301	4	D12S	1248C3	4207 CONNER CT	77
5	183336	4	D12S	1248D3	3199 BRILLDEN CT	67

5	183337	4	D12S	1248D3	3183 BRILLEN CT	68
7	183347	4	D12S	1248D3	4170 NEMAHA DR	68
6	308388	4	D12S	1248D2	4334 QUAPAW AV	85
6	308391	4	D12S	1248D2	4315 MORAGA AV	80
6	308420	4	D12S	1248D2	4324 QUAPAW AV	85
6	308428	4	D12S	1248D2	4334 TAOS DR	87
6	308430	4	D12S	1248D2	4329 TAOS DR	72
6	308450	4	D12S	1248D2	4315 QUAPAW AV	70
6	308458	4	D12S	1248D3	4311 MORAGA AV	79
6	308488	4	D12S	1248D3	4305 QUAPAW AV	73
6	308518	4	D12S	1248D3	4307 MORAGA AV	78
6	308523	4	D12S	1248D3	4318 TAOS DR	82
6	308526	4	D12S	1248D3	4304 QUAPAW AV	83
6	308541	4	D12S	1248D3	4289 QUAPAW AV	75
6	308575	4	D12S	1248D3	4301 MORAGA AV	77
6	308576	4	D12S	1248D3	4310 TAOS DR	80
7	183409	4	D12S	1248D3	4160 NEMAHA DR	68
7	183412	4	D12S	1248D3	4193 QUAPAW AV	80
7	183413	4	D12S	1248D3	4190 QUAPAW AV	82
5	183417	4	D12S	1248D3	4219 AVATI DR	95
7	183425	4	D12S	1248D3	4151 NEMAHA DR	90
7	183473	4	D12S	1248D3	4143 NEMAHA DR	87
7	183524	4	D12S	1248D3	3311 FOX PL	98
7	183525	4	D12S	1248D3	4186 TAOS DR	78
7	183526	4	D12S	1248D3	3334 FOX PL	109
7	183528	4	D12S	1248D3	4173 QUAPAW AV	75
7	183547	4	D12S	1248D3	4135 NEMAHA DR	79
7	183554	4	D12S	1248D3	4174 QUAPAW AV	76
5	183566	4	D12S	1248D3	4207 AVATI DR	103
5	183574	4	D12S	1248D3	4192 AVATI DR	76
2	183577	4	D12S	1248C3	4186 CONNER CT	76
7	183605	4	D12S	1248D3	4180 TAOS DR	77
7	183606	4	D12S	1248D3	4127 NEMAHA DR	71
5	183607	4	D12S	1248D3	4201 AVATI DR	84
5	183608	4	D12S	1248D3	4184 AVATI DR	75
7	183614	4	D12S	1248D3	4197 MORAGA AV	79
7	183618	4	D12S	1248D3	3333 FOX PL	73
7	183636	4	D12S	1248D3	4166 QUAPAW AV	75
6	308586	4	D12S	1248D3	4301 TAOS DR	77
6	308613	4	D12S	1248D3	4287 TAOS DR	76
6	308615	4	D12S	1248D3	4302 TAOS DR	78
6	308642	4	D12S	1248D3	4277 QUAPAW AV	78
6	308653	4	D12S	1248D3	4288 TAOS DR	80
6	308669	4	D12S	1248D3	4296 MORAGA AV	87
6	308671	4	D12S	1248D3	4280 QUAPAW AV	86
6	308684	4	D12S	1248D3	4289 MORAGA AV	76
6	308710	4	D12S	1248D3	4274 QUAPAW AV	77

5	308729	4	D12S	1248C3	3074 DRISCOLL DR	69
6	308730	4	D12S	1248D3	4285 MORAGA AV	74
5	308744	4	D12S	1248C3	3082 DRISCOLL DR	73
6	308751	4	D12S	1248D3	4286 MORAGA AV	85
2	308764	4	D12S	1248C3	4355 CONNER CT	96
6	308775	4	D12S	1248D3	4262 QUAPAW AV	77
5	308776	4	D12S	1248C3	3090 DRISCOLL DR	78
5	308778	4	D12S	1248C3	3065 DRISCOLL DR	82
6	308779	4	D12S	1248D3	4269 TAOS DR	78
2	308788	4	D12S	1248C3	4307 CONNER CT	73
5	308795	4	D12S	1248C3	3085 DRISCOLL DR	81
6	308799	4	D12S	1248D3	4282 MORAGA AV	84
5	308806	4	D12S	1248C3	3098 DRISCOLL DR	78
2	308811	4	D12S	1248C3	4326 CONNER CT	80
6	308813	4	D12S	1248D3	4256 QUAPAW AV	74
2	308832	4	D12S	1248C3	4287 CONNER CT	73
6	308848	4	D12S	1248D3	4250 QUAPAW AV	75
2	308854	4	D12S	1248C3	4288 CONNER CT	81
5	308863	4	D12S	1248C3	3112 DRISCOLL DR	78
6	308873	4	D12S	1248D3	4241 QUAPAW AV	87
5	183646	4	D12S	1248D3	4178 AVATI DR	77
7	183662	4	D12S	1248D3	4196 MORAGA AV	83
5	183677	4	D12S	1248D3	4170 AVATI DR	74
2	183682	4	D12S	1248C3	4180 CONNER CT	78
5	183687	4	D12S	1248D3	4189 AVATI DR	81
7	183688	4	D12S	1248D3	4119 NEMAHA DR	83
7	183692	4	D12S	1248D3	4191 MORAGA AV	78
5	183727	4	D12S	1248D3	4181 AVATI DR	82
5	183744	4	D12S	1248D3	4164 AVATI DR	80
7	183747	4	D12S	1248D3	4158 QUAPAW AV	72
7	183769	4	D12S	1248D3	4166 TAOS DR	78
2	183780	4	D12S	1248C3	4170 CONNER CT	73
5	183787	4	D12S	1248D3	4165 AVATI DR	82
7	183789	4	D12S	1248D3	4143 QUAPAW AV	79
4	183792	4	D12S	1248D3	4158 AVATI DR	75
7	183822	4	D12S	1248D3	4151 TAOS DR	77
4	183870	4	D12S	1248D3	4150 AVATI DR	78
4	183881	4	D12S	1248D3	3336 YUCCA AV	81
7	183884	4	D12S	1248D3	4103 NEMAHA DR	66
7	183887	4	D12S	1248D3	4158 TAOS DR	79
7	183910	4	D12S	1248D3	4125 QUAPAW AV	60
7	183929	4	D12S	1248D3	4178 MORAGA AV	80
6	308878	4	D12S	1248D3	4257 TAOS DR	85
6	308884	4	D12S	1248D3	4244 QUAPAW AV	69
7	308886	4	D12S	1248D3	4269 MORAGA AV	78
5	308891	4	D12S	1248C3	3118 DRISCOLL DR	75
6	308893	4	D12S	1248D3	4274 MORAGA AV	80

6	308917	4	D12S	1248D3	4263 MORAGA AV	77
5	308923	4	D12S	1248C3	3111 DRISCOLL DR	79
6	308928	4	D12S	1248D3	4268 MORAGA AV	83
6	308934	4	D12S	1248D3	4238 QUAPAW AV	69
6	308940	4	D12S	1248D3	4257 MORAGA AV	81
2	308959	4	D12S	1248C3	4268 CONNER CT	80
5	308961	4	D12S	1248C3	3117 DRISCOLL DR	78
6	309005	4	D12S	1248D3	4239 TAOS DR	100
5	309008	4	D12S	1248C3	3121 DRISCOLL DR	79
6	309009	4	D12S	1248D3	4251 MORAGA AV	78
6	309020	4	D12S	1248D3	4240 TAOS DR	58
6	309022	4	D12S	1248D3	4232 QUAPAW AV	76
5	309030	4	D12S	1248D3	3153 WAYNE LN	80
5	309038	4	D12S	1248D3	3175 WAYNE LN	72
5	309042	4	D12S	1248D3	3187 WAYNE LN	73
5	309044	4	D12S	1248D3	3191 WAYNE LN	72
2	309047	4	D12S	1248C3	4258 CONNER CT	80
6	309053	4	D12S	1248D3	4245 MORAGA AV	86
6	309084	4	D12S	1248D3	4226 QUAPAW AV	81
5	309096	4	D12S	1248C3	3129 DRISCOLL DR	74
5	309104	4	D12S	1248D3	4256 AVATI DR	65
5	309110	4	D12S	1248C3	3135 DRISCOLL DR	80
5	309111	4	D12S	1248C3	3141 DRISCOLL DR	77
5	309116	4	D12S	1248D3	3159 DRISCOLL DR	72
7	309153	4	D12S	1248D3	4220 QUAPAW AV	87
7	309174	4	D12S	1248D3	4211 QUAPAW AV	68
5	309188	4	D12S	1248D3	4242 AVATI DR	63
5	309215	4	D12S	1248D3	4245 AVATI DR	87
2	309234	4	D12S	1248C3	4227 CONNER CT	77
7	309241	4	D12S	1248D3	4215 TAOS DR	75
2	309243	4	D12S	1248C3	4228 CONNER CT	79
5	309253	4	D12S	1248D3	4239 AVATI DR	88
7	309261	4	D12S	1248D3	4216 TAOS DR	77
2	309291	4	D12S	1248C3	4218 CONNER CT	80
7	183937	4	D12S	1248D3	4142 QUAPAW AV	51
4	183941	4	D12S	1248D3	3306 YUCCA AV	83
7	183960	4	D12S	1248D3	4173 MORAGA AV	79
4	183980	4	D12S	1248D3	4147 AVATI DR	81
7	183992	4	D12S	1248D3	4102 QUAPAW AV	88
4	184000	4	D12S	1248D3	3294 ATARI CT	75
7	184018	4	D12S	1248D3	4172 MORAGA AV	82
4	184033	4	D12S	1248D3	3274 ATARI CT	83
7	184037	4	D12S	1248D3	4139 TAOS DR	79
8	184039	4	E12S	1248E3	4070 FOX AV	75
7	184051	4	D12S	1248D3	4167 MORAGA AV	76
7	184059	4	D12S	1248D3	4144 TAOS DR	64
7	184069	4	D12S	1248D3	4118 QUAPAW AV	57

8	184072	4	E12S	1248E3	4060 FOX AV	76
4	184082	4	D13S	1248D3	3254 ATARI CT	86
7	184104	4	D13S	1248D3	4144 TAOS DR	79
7	184112	4	D13S	1248D3	4166 MORAGA AV	82
5	184130	4	D13S	1248D3	3214 ATARI CT	95
8	184131	4	E13S	1248E3	4050 FOX AV	55
4	184148	4	D12S	1248D3	3279 ATARI CT	74
7	309339	4	D12S	1248D3	4203 TAOS DR	79
5	309354	4	D12S	1248D3	4225 AVATI DR	97
2	309360	4	D12S	1248C3	4208 CONNER CT	79
7	309377	4	D12S	1248D3	4204 TAOS DR	78
5	309382	4	D12S	1248D3	3171 BRILLDEN CT	65
5	309384	4	D12S	1248D3	3163 BRILLDEN CT	67
7	309386	4	D12S	1248D3	4159 NEMAHA DR	81
2	309425	4	D12S	1248C3	4198 CONNER CT	79
7	309447	4	D12S	1248D3	4150 NEMAHA DR	62
7	309459	4	D12S	1248D3	4183 QUAPAW AV	76
7	309473	4	D12S	1248D3	4182 QUAPAW AV	78
7	309482	4	D12S	1248D3	4183 TAOS DR	78
5	309489	4	D12S	1248D3	4213 AVATI DR	103
2	309494	4	D12S	1248C3	4192 CONNER CT	78
7	309501	4	D12S	1248D3	3310 FOX PL	109
7	309513	4	D12S	1248D3	4140 NEMAHA DR	64
7	184157	4	D13S	1248D3	4161 MORAGA AV	78
8	184162	4	E13S	1248E3	4193 DATCHO DR	79
7	184168	4	D13S	1248D3	4138 TAOS DR	80
4	184186	4	D13S	1248D3	3211 ATARI CT	95
8	184221	4	E13S	1248E3	4190 DATCHO DR	68
7	184251	4	D13S	1248D3	4160 MORAGA AV	82
4	184255	4	D13S	1248D3	4129 AVATI DR	79
4	184264	4	D13S	1248D3	4155 RAFFEE DR	74
7	184271	4	D13S	1248D3	4155 MORAGA AV	79
4	184283	4	D13S	1248C3	4126 AVATI DR	81
4	184321	4	D13S	1248D3	4150 RAFFEE DR	81
8	184323	4	E13S	1248E3	4183 DATCHO DR	86
8	184342	4	E13S	1248E3	4010 FOX AV	90
4	184349	4	D13S	1248D3	4123 AVATI DR	79
8	184352	4	E13S	1248E3	4176 DATCHO DR	67
7	184353	4	D13S	1248D3	4149 MORAGA AV	77
7	309552	4	D12S	1248D3	4175 TAOS DR	78
7	309557	4	D12S	1248D3	4163 QUAPAW AV	77
7	309565	4	D12S	1248D3	4130 NEMAHA DR	72
7	309582	4	D12S	1248D3	4167 TAOS DR	76
5	309594	4	D12S	1248D3	4197 AVATI DR	81
7	309596	4	D12S	1248D3	3353 FOX FL	87
7	309623	4	D12S	1248D3	4114 NEMAHA DR	65
7	309634	4	D12S	1248D3	4174 TAOS DR	78

7	309637	4	D12S	1248D3	4153 QUAPAW AV	78
7	309656	4	D12S	1248D3	4190 MORAGA AV	81
2	309659	4	D12S	1248C3	3001 HARTMAN WY	65
5	309661	4	D12S	1248D3	4173 AVATI DR	84
7	309662	4	D12S	1248D3	4159 TAOS DR	79
7	309683	4	D12S	1248D3	4111 NEMAHA DR	81
7	309686	4	D12S	1248D3	4185 MORAGA AV	79
7	309710	4	D12S	1248D3	4104 NEMAHA DR	78
7	309728	4	D12S	1248D3	4184 MORAGA AV	82
7	309739	4	D12S	1248D3	4150 QUAPAW AV	51
7	309741	4	D12S	1248D3	4179 MORAGA AV	77
7	184381	4	D13S	1248D3	4126 TAOS DR	76
8	184390	4	E13S	1248E3	4173 DATCHO DR	84
7	184392	4	D13S	1248D3	4110 CAFLUR AV	80
8	184453	4	D13S	1248000	4134 GROS VENTRE	90
8	184459	4	D13S	1248E3	4135 GROS VENTRE AV	3
8	184476	4	D13S	1248E3	4125 GROS VENTRE AV	84
4	184477	4	D13S	1248D3	4131 RAFFEE DR	78
7	184488	4	D13S	1248D3	4120 TAOS DR	77
8	184504	4	E13S	1248E3	4145 EPANOW AV	83
8	184534	4	E13S	1248000	4154 DATCHO DR	70
4	184535	4	D13S	1248C3	4108 AVATI DR	82
7	184537	4	D13S	1248D3	4137 MORAGA AV	87
8	184452	4	D13S	1248000	4135 GROS VENTRE AV	90
8	184576	4	D13S	1248E3	4115 GROS VENTRE AV	74
7	184577	4	D13S	1248D3	4114 TAOS DR	76
4	309754	4	D12S	1248D3	3366 YUCCA AV	106
4	309769	4	D12S	1248D3	4157 AVATI DR	81
7	309787	4	D12S	1248D3	4145 TAOS DR	74
7	309830	4	D12S	1248D3	4150 TAOS DR	79
4	309832	4	D12S	1248D3	4144 AVATI DR	80
7	309857	4	D12S	1248D3	4134 QUAPAW AV	98
4	309869	4	D12S	1248D3	3333 YUCCA AV	67
7	309873	4	D12S	1248D3	4110 QUAPAW AV	88
7	309886	4	D12S	1248D3	4126 QUAPAW AV	83
8	184583	4	E13S	1248E3	4153 DATCHO DR	79
7	184617	4	D13S	1248D3	4107 TAOS DR	80
8	184625	4	E13S	1248E3	4135 EPANOW AV	87
4	184634	4	D13S	1248C3	4102 AVATI DR	82
7	184638	4	D13S	1248D3	3324 WICOPEE PL	84
7	184658	4	D13S	1248D3	3314 WICOPEE PL	86
7	184669	4	D13S	1248D3	3351 WICOPEE PL	79
4	184697	4	D13S	1248D3	3208 WHEAT ST	75
8	184699	4	D13S	1248E3	4104 GROS VENTRE AV	72
7	184709	4	D13S	1248D3	3304 WICOPEE PL	95
7	184712	4	D13S	1248D3	3339 WICOPEE PL	77
7	184722	4	D13S	1248D3	4126 MORAGA AV	74

4	184725	4	D13S	1248D3	3272 WHEAT ST	78
4	184726	4	D13S	1248D3	3262 WHEAT ST	78
4	184727	4	D13S	1248D3	3252 WHEAT ST	78
4	184728	4	D13S	1248D3	3220 WHEAT ST	77
8	184729	4	E13S	1248E3	4136 DATCHO DR	70
4	309903	4	D13S	1248D3	3234 ATARI CT	84
4	309919	4	D13S	1248D3	4167 RAFFEE DR	74
7	309924	4	D13S	1248D3	4133 TAOS DR	77
7	309926	4	D13S	1248D3	4125 CAFLUR AV	78
4	309938	4	D13S	1248D3	4135 AVATI DR	78
4	309940	4	D13S	1248C3	4132 AVATI DR	84
7	309943	4	D13S	1248D3	4126 CAFLUR AV	82
8	309953	4	E13S	1248E3	4040 FOX AV	78
4	309961	4	D13S	1248D3	3251 ATARI CT	83
7	309979	4	D13S	1248D3	4117 CAFLUR AV	73
7	309990	4	D13S	1248D3	4132 TAOS DR	77
4	309991	4	D13S	1248D3	3231 ATARI CT	97
8	309996	4	E13S	1248E3	4030 FOX AV	87
7	310000	4	D13S	1248D3	4127 TAOS DR	80
7	310002	4	D13S	1248D3	4118 CAFLUR AV	81
4	184731	4	D13S	1248D3	3232 WHEAT ST	80
7	184741	4	D13S	1248D3	3327 WICOPEE PL	78

APPENDIX M
SAMPLE OF PUBLIC NOTICE



CONSTRUCTION NOTICE

PROJECT TITLE

Work on your street will begin within one week to replace the existing water mains servicing your community.

The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
• Streets where trenching takes place will be resurfaced and curb ramps will be upgraded to facilitate access for persons with disabilities where required.
• This work is anticipated to be complete in your community by December 2016.

How your neighborhood may be impacted:

- Water service to some properties during construction will be provided by a two-inch highline pipe that will run along the curb. To report a highline leak call 619-515-3525.
• Temporary water service disruptions are planned. If planned disruptions impact your property, you will receive advance notice.
• Parking restrictions will exist because of the presence of construction equipment and materials.
• "No Parking" signs will be displayed 72 hours in advance of the work.
• Cars parked in violation of signs will be TOWED.

Hours and Days of Operation:

Monday through Friday X:XX AM to X:XX PM.

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX



CONSTRUCTION NOTICE

PROJECT TITLE

Work on your street will begin within one week to replace the existing water mains servicing your community.

The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
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City of San Diego Contractor:

Company Name, XXX-XXX-XXXX

APPENDIX N

ADVANCED METERING INFRASTRUCTURE (AMI) DEVICE PROTECTION

Protecting AMI Devices in Meter Boxes and on Street Lights

The Public Utilities Department (PUD) has begun the installation of the Advanced Metering Infrastructure (AMI) technology as a new tool to enhance water meter reading accuracy and efficiency, customer service and billing, and to be used by individual accounts to better manage the efficient use of water. **All AMI devices shall be protected per Section 402-2, "Protection", of the 2018 Whitebook.**

AMI technology allows water meters to be read electronically rather than through direct visual inspection by PUD field staff. This will assist PUD staff and customers in managing unusual consumption patterns which could indicate leaks or meter tampering on a customer's property.

Three of the main components of an AMI system are the:

- A. Endpoints, see Photo 1:

Photo 1



B. AMI Antenna attached to Endpoint (antenna not always required), see Photo 2:



Network Devices, see Photo 3:

Photo 3



AMI endpoints transmit meter information to the AMI system and will soon be on the vast majority of meters in San Diego. These AMI devices provide interval consumption data to the PUD's Customer Support Division. If these devices are damaged or communication is interrupted, this Division will be alerted of the situation. The endpoints are installed in water meter boxes, coffins, and vaults adjacent to the meter. A separate flat round antenna may also be installed through the meter box lid. This antenna is connected to the endpoint via cable. The following proper installation shall be implemented when removing the lid to avoid damaging the antenna, cable, and/or endpoint. Photo 4 below demonstrates a diagram of the connection:

Photo 4



The AMI device ERT/Endpoint/Transmitter shall be positioned and installed as discussed in this Appendix. If the ERT/Endpoint/Transmitter is disturbed, it shall be re-installed and returned to its original installation with the end points pointed upwards as shown below in Photo 5.

The PUD's code compliance staff will issue citations and invoices to you for any damaged AMI devices that are not re-installed as discussed in the Contract Document

Photo 5 below shows a typical installation of an AMI endpoint on a water meter.

Photo 5

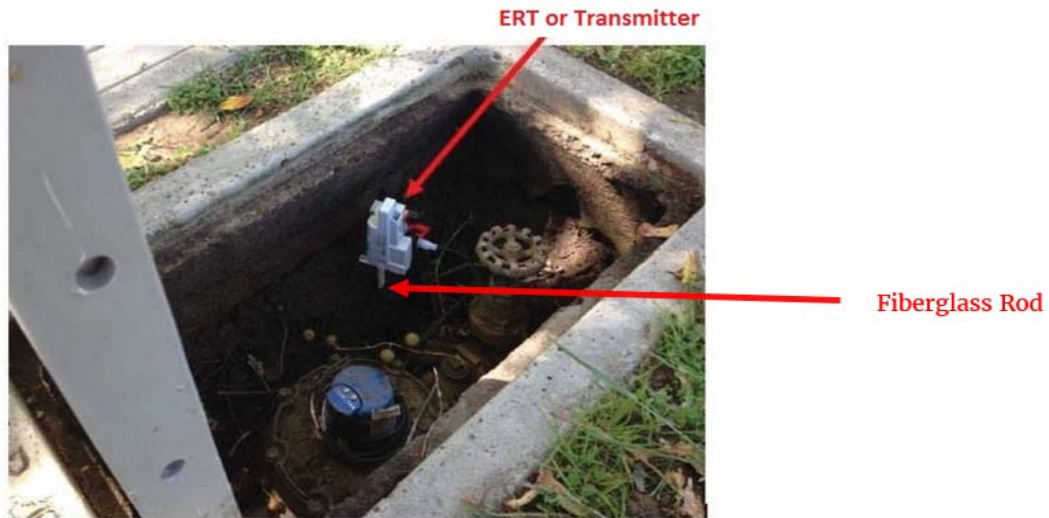


Photo 6 below is an example of disturbance that shall be avoided:

Photo 6



You are responsible when working in and around meter boxes. If you encounter these endpoints, use proper care and do not disconnect them from the registers on top of the water meter. If the lid has an antenna drilled through, do not change or tamper with the lid and inform the Resident Engineer immediately about the location of that lid. Refer to Photo 7 below:

Photo 7



Another component of the AMI system are the Network Devices. The Network Devices are strategically placed units (mainly on street light poles) that collect interval meter reading data from multiple meters for transmission to the Department Control Computer. **If you come across any of these devices on street lights that will be removed or replaced (refer to Photos 8 and 9 below), notify AMI Project Manager Arwa Sayed at (619) 362-0121 immediately.**

Photo 8 shows an installed network device on a street light. On the back of each Network Device is a sticker with contact information. See Photo 9. **Call PUD Water Emergency Repairs at 619-515-3525 if your work will impact these street lights.** These are assets that belong to the City of San Diego and you shall be responsible for any costs of disruption of this network.

Photo 8



Network Device

Photo 9



If you encounter any bad installations, disconnected/broken/buried endpoints, or inadvertently damage any AMI devices or cables, notify the Resident Engineer immediately. The Resident Engineer will then immediately contact the AMI Project Manager, Arwa Sayed, at (619) 362-0121.

APPENDIX O

REHAB DATA COLLECTION – SEWER MAINS SAMPLE DATA TEMPLATE

APPENDIX P

REHAB DATA COLLECTION – MANHOLES SAMPLE DATA TEMPLATE

APPENDIX Q

REHAB DATA COLLECTION – LATERALS SAMPLE DATA TEMPLATE

APPENDIX R
CONTRACTOR'S NOTES

CONTRACTOR'S NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LICENSED LAND SURVEYOR OR LICENSED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA SHALL FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR ANY EARTHWORK, DEMOLITION OR SURFACE IMPROVEMENTS. IF DESTROYED, A LICENSED LAND SURVEYOR SHALL REPLACE SUCH MONUMENT(S) WITH APPROPRIATE MONUMENTS. WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILLED WITH THE COUNTY SURVEYOR. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.
2. CONSTRUCTION STORM WATER PROTECTION NOTES
 - a. TOTAL SITE DISTURBANCE AREA: .09 (ACRES)
 - b. HYDROLOGIC UNIT/WATERSHED: Penasquitos/Mission Bay Watershed
 - c. HYDROLOGIC SUBAREA NAME & NO: Miramar/906.4

 - d. TOTAL SITE DISTURBANCE AREA: .09 (ACRES)
 - e. HYDROLOGIC UNIT/WATERSHED: Penasquitos/ Mission Bay Watershed
 - f. HYDROLOGIC SUBAREA NAME & NO: Tecolote/906.5

 - g. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE
 - MWPCP
 - WPCP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100
 - WPPP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ
TRADITIONAL: RISK LEVEL 1 2 3
LUP: RISK TYPE 1 2 3
 - h. CONSTRUCTION SITE PRIORITY

ASBS HIGH MEDIUM LOW

3. ALL ADVANCE METERING INFRASTRUCTURE (AMI) DEVICES ATTACHED TO THE WATER METER OR LOCATED IN OR NEAR WATER METER BOXES, COFFINS, OR VAULTS SHALL BE PROTECTED AT ALL TIMES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
4. CONTRACTOR TO EXCAVATE AROUND WATER METER BOX (CITY PROPERTY SIDE) TO DETERMINE IN ADVANCE, THE EXACT SIZE OF EACH SERVICE BEFORE TAPPING MAIN.
5. CITY FORCES, WHERE CALLED OUT SHALL MAKE PERMANENT CUTS & PLUGS, CONNECTIONS, ETC. EXISTING MAINS SHALL BE KEPT IN SERVICE IN LIEU OF HIGH-LINING.
6. STORM DRAIN INLETS ARE TO REMAIN FUNCTIONAL/OPERATIONAL AT ALL TIMES DURING CONSTRUCTION.
7. CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER IMMEDIATELY IF A ONE FOOT VERTICAL SEPARATION (FROM OUTSIDE PIPE WALL TO OUTSIDE PIPE WALL) BETWEEN SEWER AND WATER MAINS CANNOT BE MAINTAINED.
8. CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER IMMEDIATELY IF A 6-INCH VERTICAL SEPARATION (FROM OUTSIDE PIPE WALL TO OUTSIDE PIPE WALL) BETWEEN UTILITIES OTHER THAN SEWER AND WATER MAINS CANNOT BE MAINTAINED.
9. CONTRACTOR TO MAINTAIN A MINIMUM 3' OF COVER OVER TOP OF WATER MAIN.
10. CONTRACTOR SHALL RESTORE ALL TRENCHES ON THE PAVEMENT WORKED BY CITY FORCES AFTER FINAL CONNECTION.
11. CONTRACTOR SHALL PROVIDE A 1-FOOT SAND CUSHION OR A MINIMUM 6-INCH SAND CUSHION WITH 1-INCH NEOPRENE PAD FOR ALL CROSSINGS WHERE VERTICAL CLEARANCE BETWEEN CROSSINGS IS 1-FOOT OR LESS.
12. POTHOLE ALL UTILITIES THAT CROSS PROPOSED WATER MAIN BEFORE TRENCHING
13. WHEN APPLICABLE, EXISTING UTILITY CROSSING AS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT EXACT.
14. FOR COORDINATION OF THE SHUTDOWN OF TRANSMISSION MAINS (16 INCHES OR LARGER), CONTACT THE CITY'S SENIOR WATER DISTRIBUTION OPERATIONS SUPERVISOR AT (616) 524-7438. FOR COORDINATION OF THE SHUTDOWN OF DISTRIBUTION MAINS (LESS THAN 16 INCHES), CONTACT THE CITY'S WATER OPERATIONS DISTRICT MANAGER AT (619) 527-3945.

APPENDIX S
CURB RAMP LOCATION



CURB RAMP NOTES TABLE

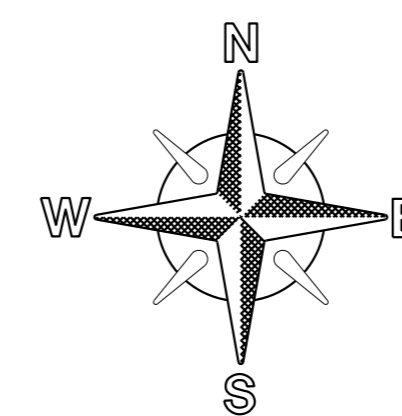
LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	BARRICADE TYPE	MISC SIGN	DETECTABLE WARNING TILES		REPLACE SPANDREL (SP/LO) OR CONCRETE ALLEY APRON (CAA)	STANDARD DRAWING	COMMENTS / MODIFICATIONS
	TYPE	CASE								STAINLESS STEEL	OTHER			
1	B		9'		X					X			SDG-133	CAP IRRIGATION. PROTECT EXISTING POWER LINE POLE IN PLACE. ADJUST EX. WATER METER TO GRADE.
2	B		9'		X					X			SDG-133	PROTECT EX. POWER LINE POLE IN PLACE.
3	C2		9'		X					X			SDG-135	PROTECT IN PLACE EXISTING DRIVEWAY. POSITION RAMP ON ECOCHEE SIDE OF CURB RETURN AND NOT AT APEX. ALLOW FOR A 2ND CURB RAMP TO BE INSTALLED IN A FUTURE PROJECT.
4	C2		9'		X					X			SDG-135	PROTECT IN PLACE EXISTING STREET SIGN. POSITION RAMP ON ECOCHEE SIDE OF CURB RETURN AND NOT AT APEX. ALLOW FOR A 2ND CURB RAMP TO BE INSTALLED IN A FUTURE PROJECT.

GENERAL CURB RAMP NOTES:

1. THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIALS LIST.
2. CONTRACTOR MAY USE NON-STAINLESS MATERIAL PER CITY'S AML IF THE DWT HAS TO BE TRIMMED TO CONFORM TO THE CURB RAMP CONFIGURATION.
3. THE DESIGN OF THE CURB RAMP SHALL NOT AFFECT THE DRAINAGE PATTERN ON THE STREET.
4. CONTRACTOR SHALL REPLACE LIFTED, DAMAGED OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN.
5. COUNTER SLOPES (CURB RAMP SLOPE PLUS STREET SLOPE) WHEN ADDED CANNOT EXCEED 13% WITH THE EXCEPTION OF A TYPE C2 AND C1, ADJUST THE SLOPE OF THE MAIN RAMP AND/OR STREET IF THE COUNTER SLOPE EXCEEDS 5.0%.
6. PROTECT AND KEEP ALL HISTORIC STAMPS WITHIN CORNER SIDEWALKS.
7. CONTRACTOR TO USE THE SAME EXISTING SIDEWALK CONCRETE COLOR ON THE SIDEWALK PANELS AND CURB RAMP, MATCH APPROVED COLOR PER COMMUNITY PLAN.

NOTE:

RESIDENT ENGINEER SHALL VERIFY PEDESTRIAN BARRICADES IN RESIDENTIAL AREAS WITH PM PRIOR TO INSTALLATION



NO SCALE

LEGEND

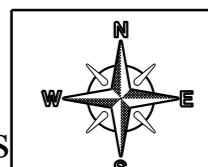
- Ⓚ CURB RAMP NO's
- ⊙ EX TREE
- EX CURB RAMP
- ⊙ EX UTILITY POLE
- ⊙ EX STREET SIGN
- ⊙ EX STREET LIGHT
- ⊙ EX FIRE HYDRANT
- ⊙ PED BARRICADE

PROPOSED CURB RAMPS PER STANDARD DRAWINGS:

- DETECTABLE WARNING TILES SDG-130
- GENERAL CURB RAMP NOTES SDG-131
- CURB RAMP A SDG-132
- CURB RAMP B SDG-133
- DUAL CURB RAMPS SDG-134
- CURB RAMP - TYPE C1 & C2 SDG-135
- CURB RAMP - ADDITIONAL DETAILS SDG-136
- CURB RAMP - TYPE D SDG-137
- GENERAL CURB RAMPS SDG-138
- PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS SDG-139
- PROTECTIVE RAILING AT CURB RAMPS SDG-140
- EX STAMP/IMPRESSION PLACEMENT SDG-115

MAPS FOR THE CONSTRUCTION OF BAY HO IMPROVEMENTS 1

CURB RAMP LOCATION (1 OF 1)



WBS# B-19088

SEE MAP

APPENDIX T

SITE MAPS



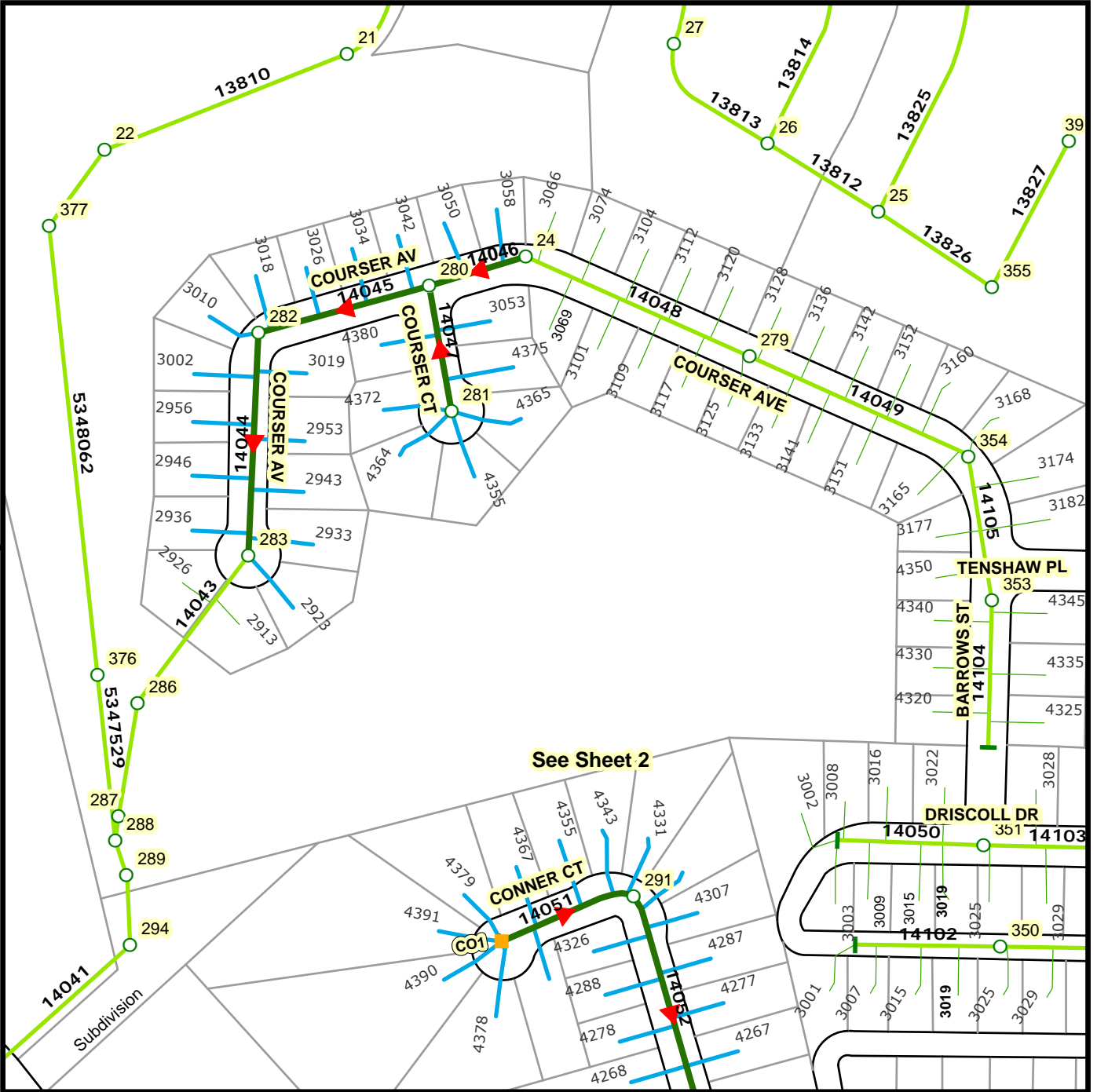
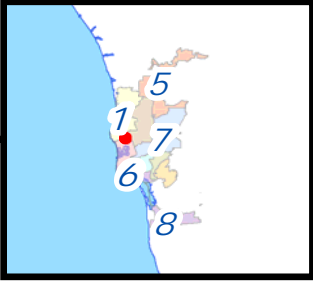
BAY HO IMPROVEMENTS 1 MAP SHEET 1 OF 9

SENIOR ENGINEER
JANICE JARO
619-533-3851

PROJECT MANAGER
JOSH ADELMAN
619-533-4656

PROJECT ENGINEER
ALFREDO REYES
619-533-3037

FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



Legend

- Ex Manhole
- New Cleanout
- Direction of Flow
- MH# Manhole Map ID
- Sewer Main Rehab
- Ex Laterals
- Ex Sewer Mains
- Rehab Laterals
- 1234 Sewer Main FSN No.
- Ex Plugs



NO SCALE

COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 2

SAP ID: B19088



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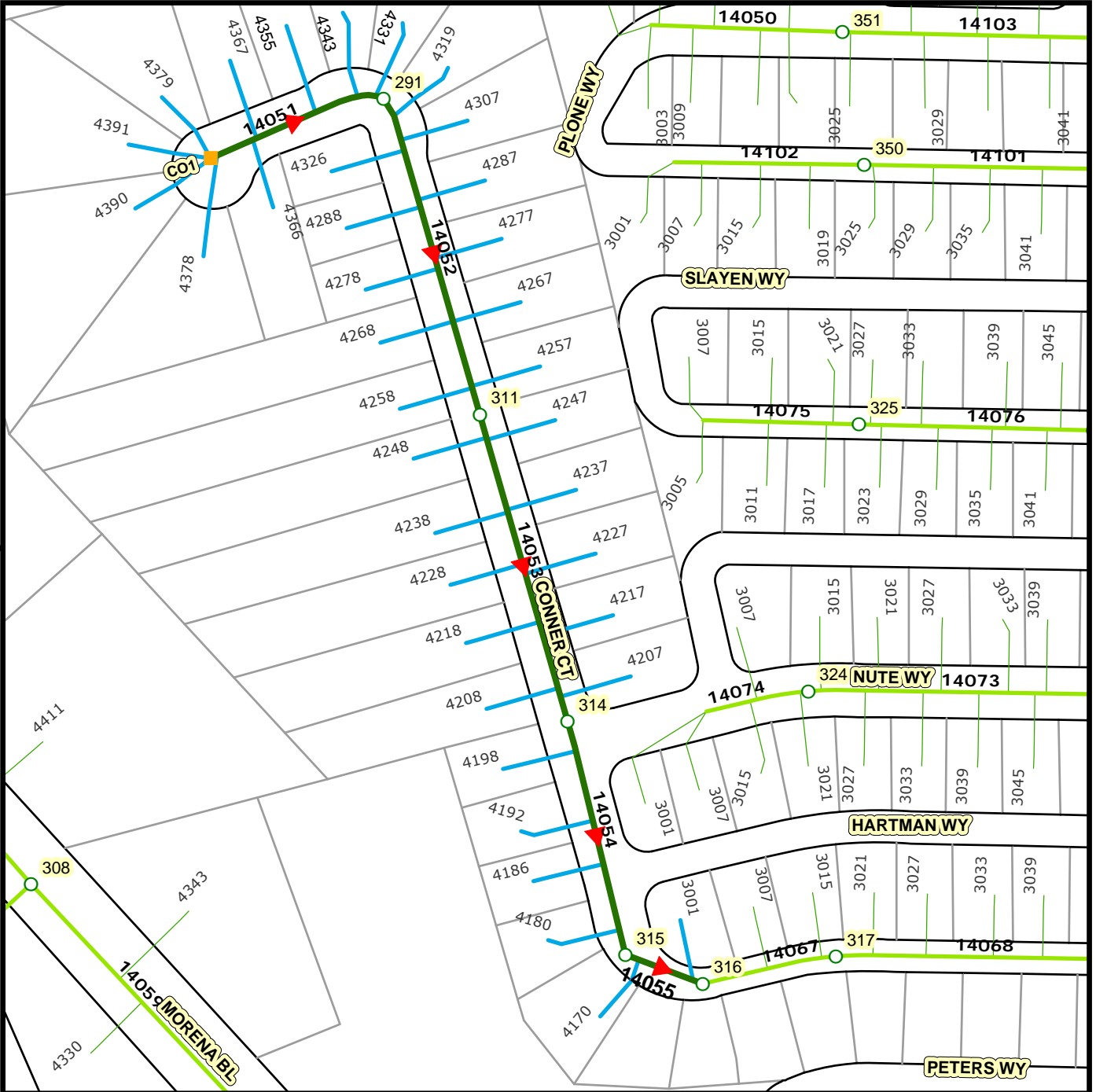
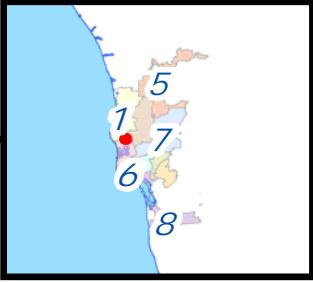
BAY HO IMPROVEMENTS 1 MAP SHEET 2 OF 9

SENIOR ENGINEER
JANICE JARO
619-533-3851

PROJECT MANAGER
JOSH ADELMAN
619-533-4656

PROJECT ENGINEER
ALFREDO REYES
619-533-3037

FOR QUESTIONS ABOUT THIS PROJECT
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Legend

- Ex Manhole
 - New Cleanout
 - Direction of Flow
 - Sewer Main Rehab
 - Ex Laterals
 - Ex Sewer Mains
 - Rehab Laterals
 - Ex Plugs
- 1234** Sewer Main FSN No. **MH#** Manhole Map ID



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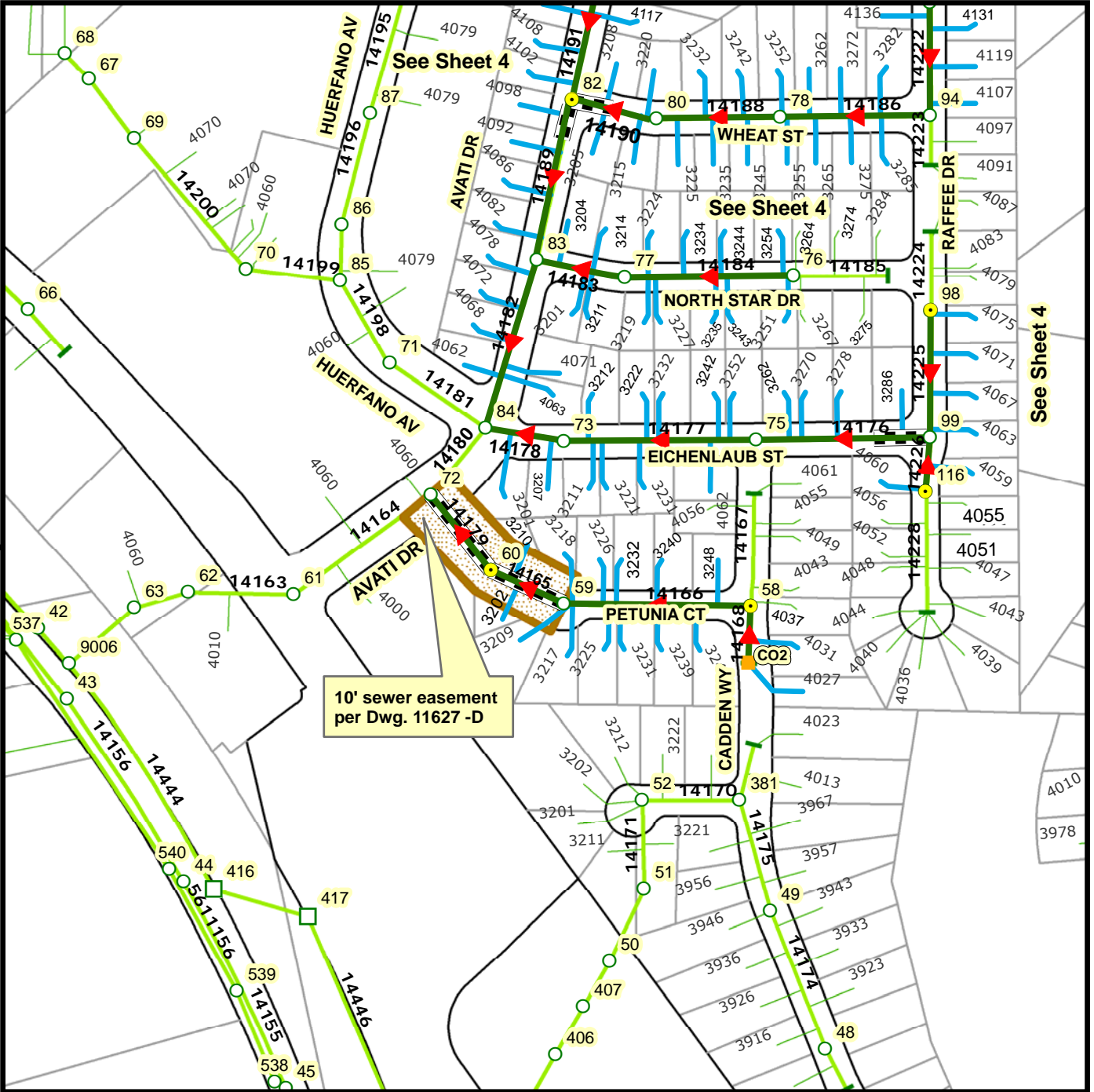
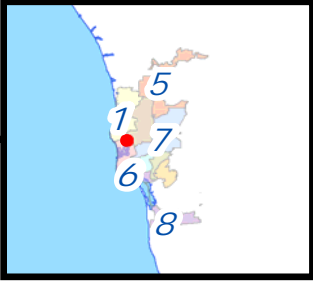
BAY HO IMPROVEMENTS 1 MAP SHEET 3 OF 9

SENIOR ENGINEER
JANICE JARO
619-533-3851

PROJECT MANAGER
JOSH ADELMAN
619-533-4656

PROJECT ENGINEER
ALFREDO REYES
619-533-3037

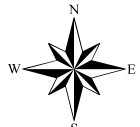
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See Sheet 4

10' sewer easement per Dwg. 11627 - D

- Legend**
- Ex Manhole
 - Manhole Rehab/Repair
 - New Cleanout
 - Encasement
 - Sewer Main Rehab
 - Ex Laterals
 - Ex Sewer Mains
 - Easement
 - Rehab Laterals
 - Ex Plugs
 - 1234** Sewer Main FSN No.
 - MH#** Manhole Map ID
 - Direction of Flow



NO SCALE

COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 2

SAP ID: B19088

Date: November 30, 2020
Bay Ho Improvements 1
Appendix T – Site Maps



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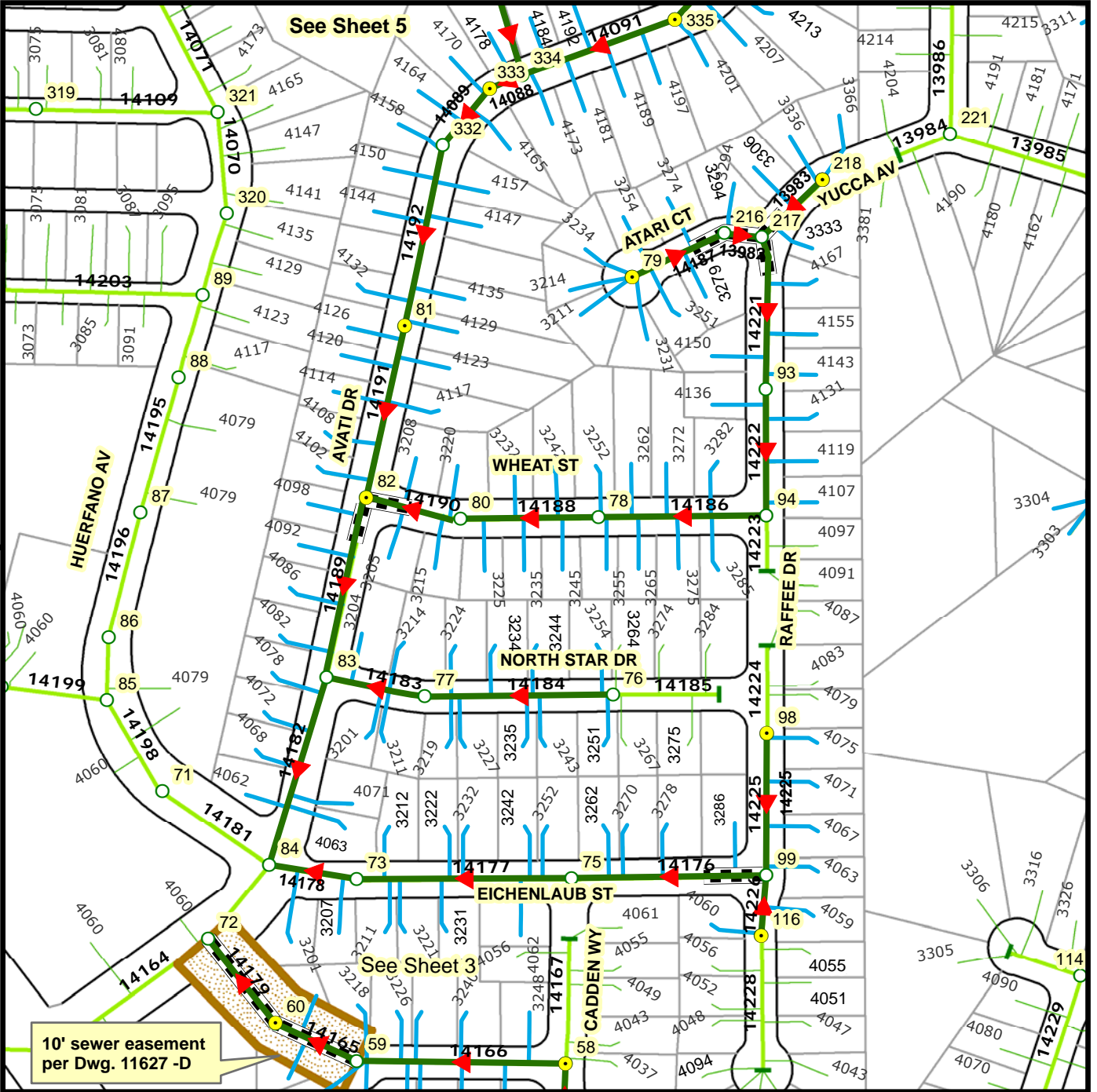
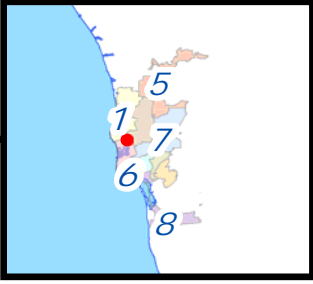
BAY HO IMPROVEMENTS 1 MAP SHEET 4 OF 9

SENIOR ENGINEER
JANICE JARO
619-533-3851

PROJECT MANAGER
JOSH ADELMAN
619-533-4656

PROJECT ENGINEER
ALFREDO REYES
619-533-3037

FOR QUESTIONS ABOUT THIS PROJECT
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Legend

- Ex Manhole
- Manhole Rehab/Repair
- Encasement
- Sewer Main Rehab
- Ex Laterals
- Ex Sewer Mains
- Direction of Flow
- Rehab Laterals
- 1234 Sewer Main FSN No.
- MH# Manhole Map ID
- Easement
- Ex Plugs



NO SCALE

COMMUNITY NAME: CLAIREMONT MESA

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Date: November 30, 2020
Bay Ho Improvements 1
Appendix T – Site Maps



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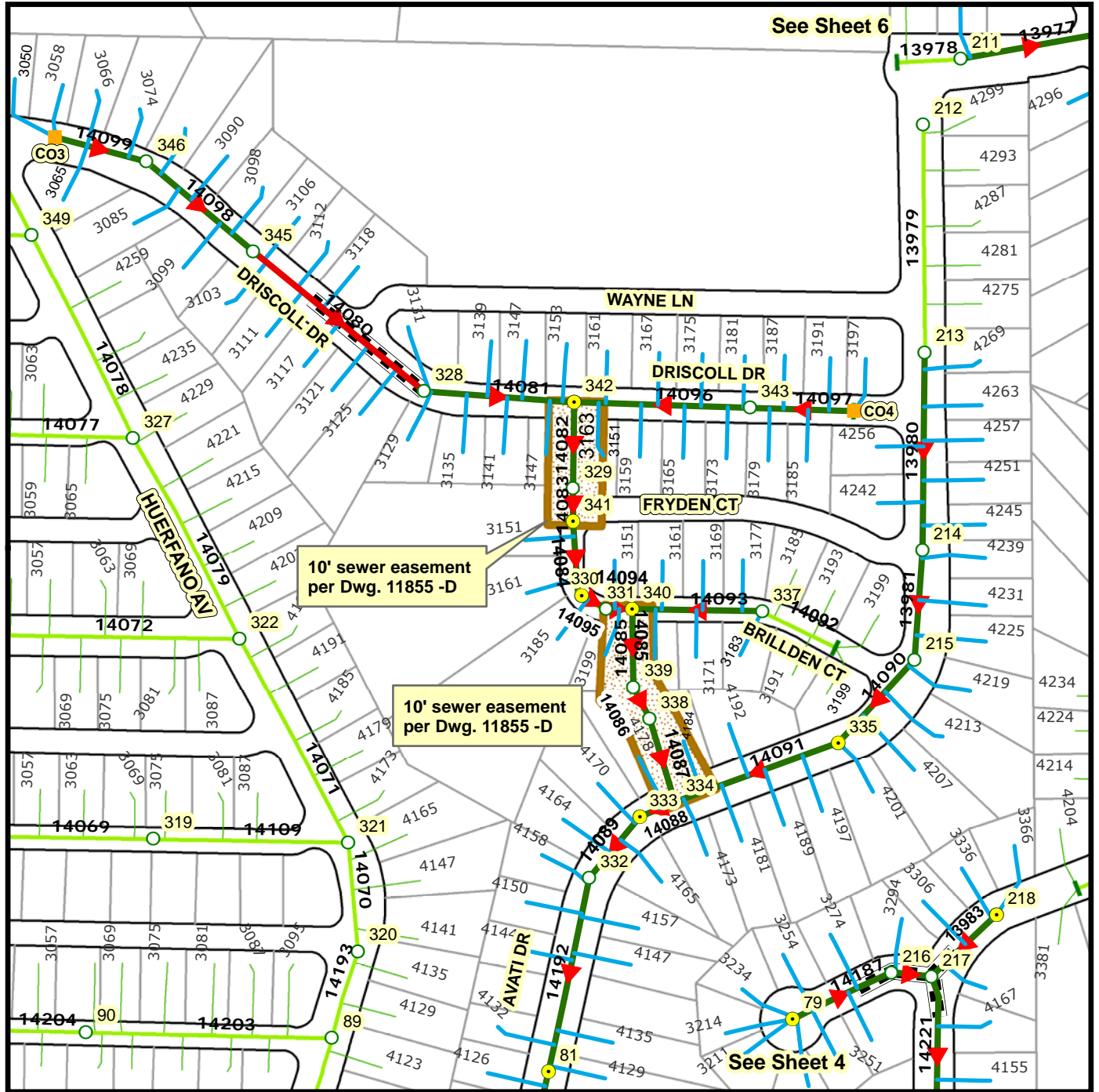
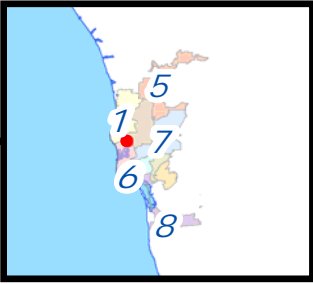
BAY HO IMPROVEMENTS 1 MAP SHEET 5 OF 9

SENIOR ENGINEER
JANICE JARO
619-533-3851

PROJECT MANAGER
JOSH ADELMAN
619-533-4656

PROJECT ENGINEER
ALFREDO REYES
619-533-3037

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Legend

- Ex Manhole
- Manhole Rehab/Repair
- New Cleanout
- 1234 Sewer Main FSN No.
- Easement
- Sewer Main Rehab
- Rehab with Point Repair
- Ex Sewer Mains
- Encasement
- Rehab Laterals
- Ex Laterals
- Ex Plugs
- Direction of Flow
- Manhole Map ID



NO SCALE

COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 2

SAP ID: B19088



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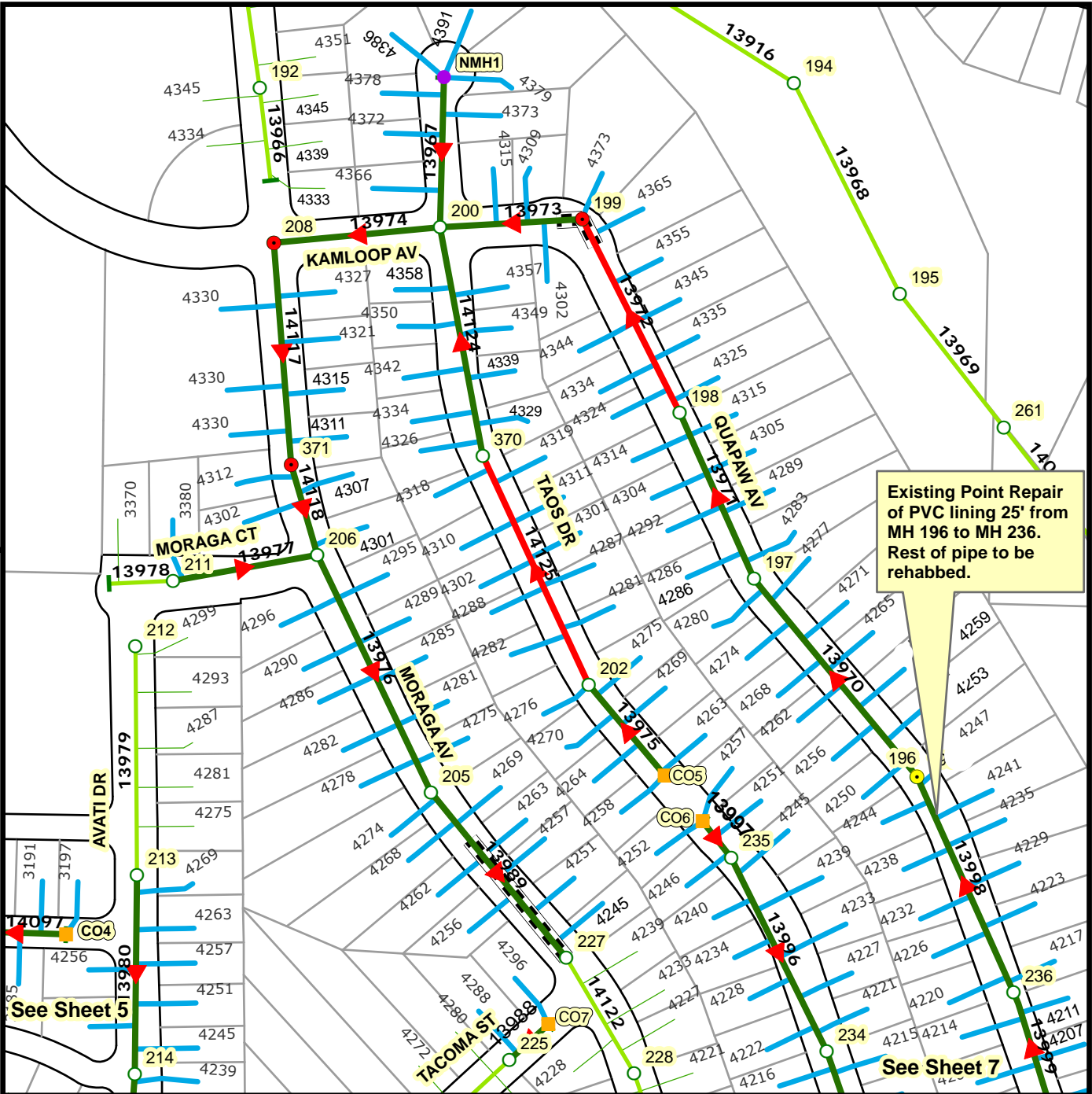
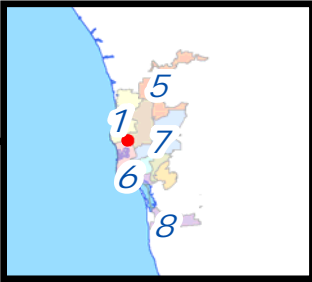
BAY HO IMPROVEMENTS 1 MAP SHEET 6 OF 9

SENIOR ENGINEER
JANICE JARO
619-533-3851

PROJECT MANAGER
JOSH ADELMAN
619-533-4656

PROJECT ENGINEER
ALFREDO REYES
619-533-3037

FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



Legend

Ex Manhole	Manhole Rehab/Repair	Sewer Main Rehab	Rehab with Point Repair
New Manhole	Manhole Replacement	Ex Sewer Mains	Manhole Map ID
New Cleanout	Rehab Laterals	Ex Laterals	Encasement
		Ex Plugs	1234 Sewer Main FSN No.
			Direction of Flow



COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 2

SAP ID: B19088

Date: November 30, 2020
Bay Ho Improvements 1
Appendix T – Site Maps



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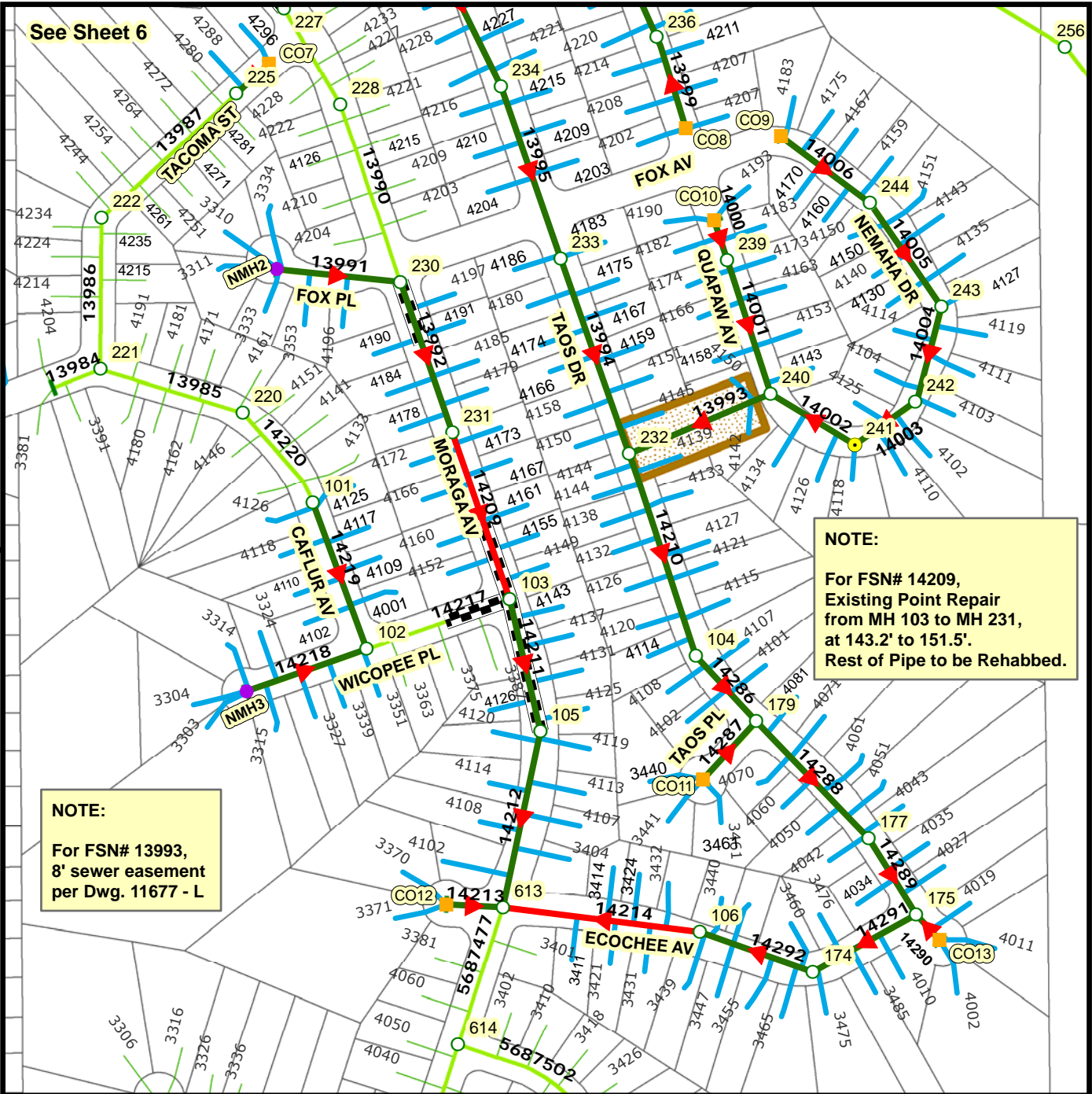
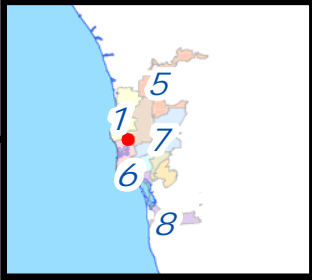
BAY HO IMPROVEMENTS 1 MAP SHEET 7 OF 9

SENIOR ENGINEER
JANICE JARO
619-533-3851

PROJECT MANAGER
JOSH ADELMAN
619-533-4656

PROJECT ENGINEER
ALFREDO REYES
619-533-3037

FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov

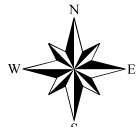


NOTE:
For FSN# 13993,
8' sewer easement
per Dwg. 11677 - L

NOTE:
For FSN# 14209,
Existing Point Repair
from MH 103 to MH 231,
at 143.2' to 151.5'.
Rest of Pipe to be Rehabbed.

Legend

- Ex Manhole
- New Manhole
- New Cleanout
- Manhole Rehab/Repair
- Easement
- Rehab Laterals
- Ex Sewer Mains
- Ex Laterals
- ▶ Direction of Flow
- ▶ Sewer Main Rehab
- ▶ Rehab with Point Repair
- MH# Manhole Map ID
- Ex Plugs
- Encasement



NO SCALE

COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 2

SAP ID: B19088

Date: November 30, 2020
Bay Ho Improvements 1
Appendix T – Site Maps



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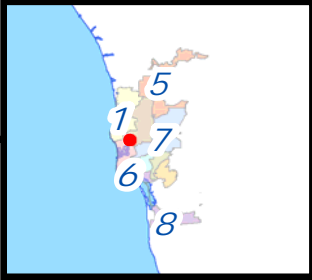
BAY HO IMPROVEMENTS 1 MAP SHEET 8 OF 9

SENIOR ENGINEER
JANICE JARO
619-533-3851

PROJECT MANAGER
JOSH ADELMAN
619-533-4656

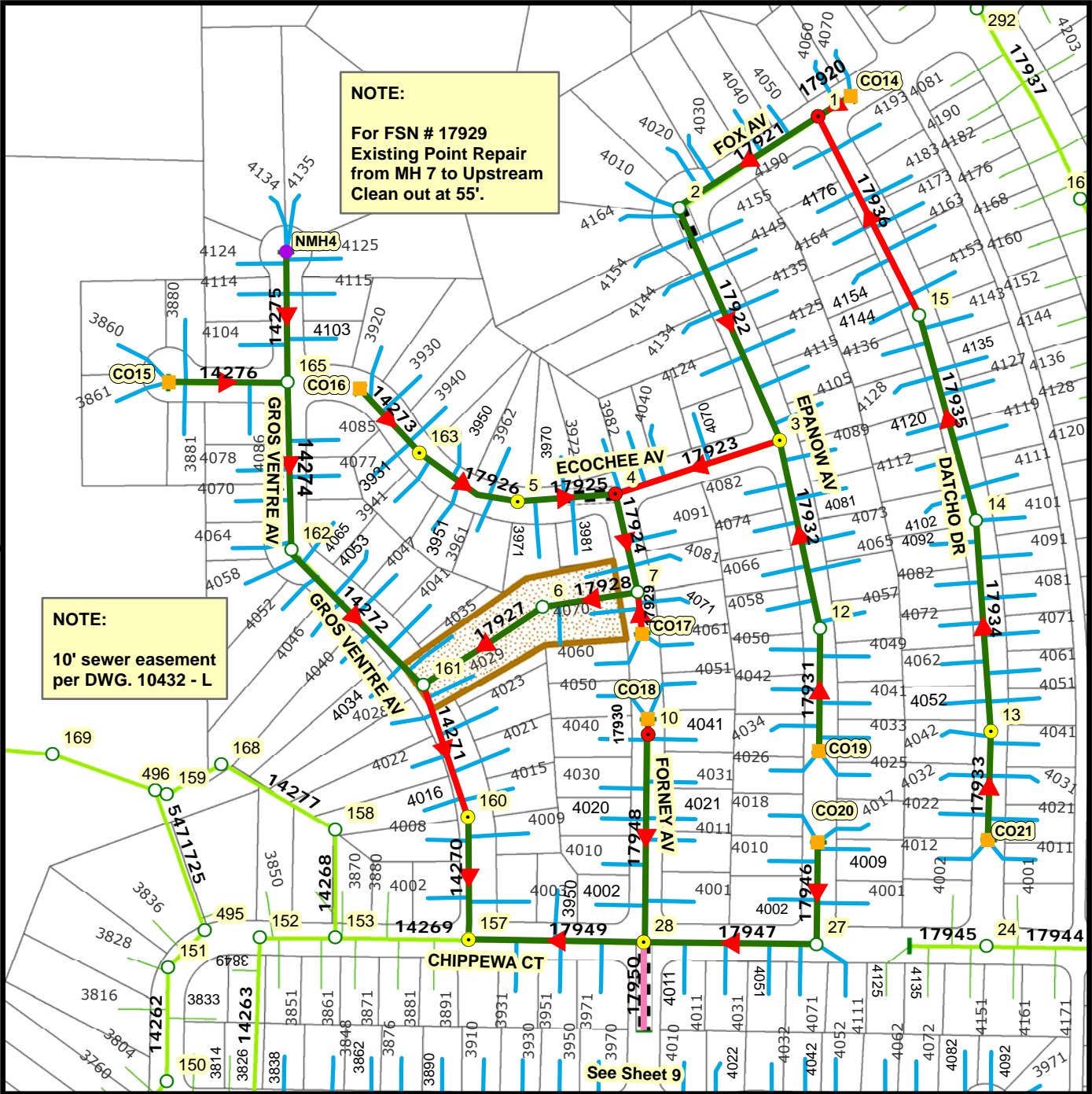
PROJECT ENGINEER
ALFREDO REYES
619-533-3037

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Email: engineering@sandiego.gov



NOTE:
For FSN # 17929
Existing Point Repair
from MH 7 to Upstream
Clean out at 55'.

NOTE:
10' sewer easement
per DWG. 10432 - L



See Sheet 9

Legend

- Ex Manhole
- Manhole Rehab/Repair
- New Manhole
- Manhole Replacement
- New Cleanout
- Rehab Laterals
- Ex Laterals
- Sewer Main Rehab
- Rehab with Point Repair
- Easement
- MH# Manhole Map ID
- Encasement
- Ex Plugs
- Abandon Sewer
- ▶ Direction of Flow
- 1234 Sewer Main FSN No.



NO SCALE

COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 2

SAP ID: B19088

Date: November 30, 2020
Bay Ho Improvements 1
Appendix T – Site Maps



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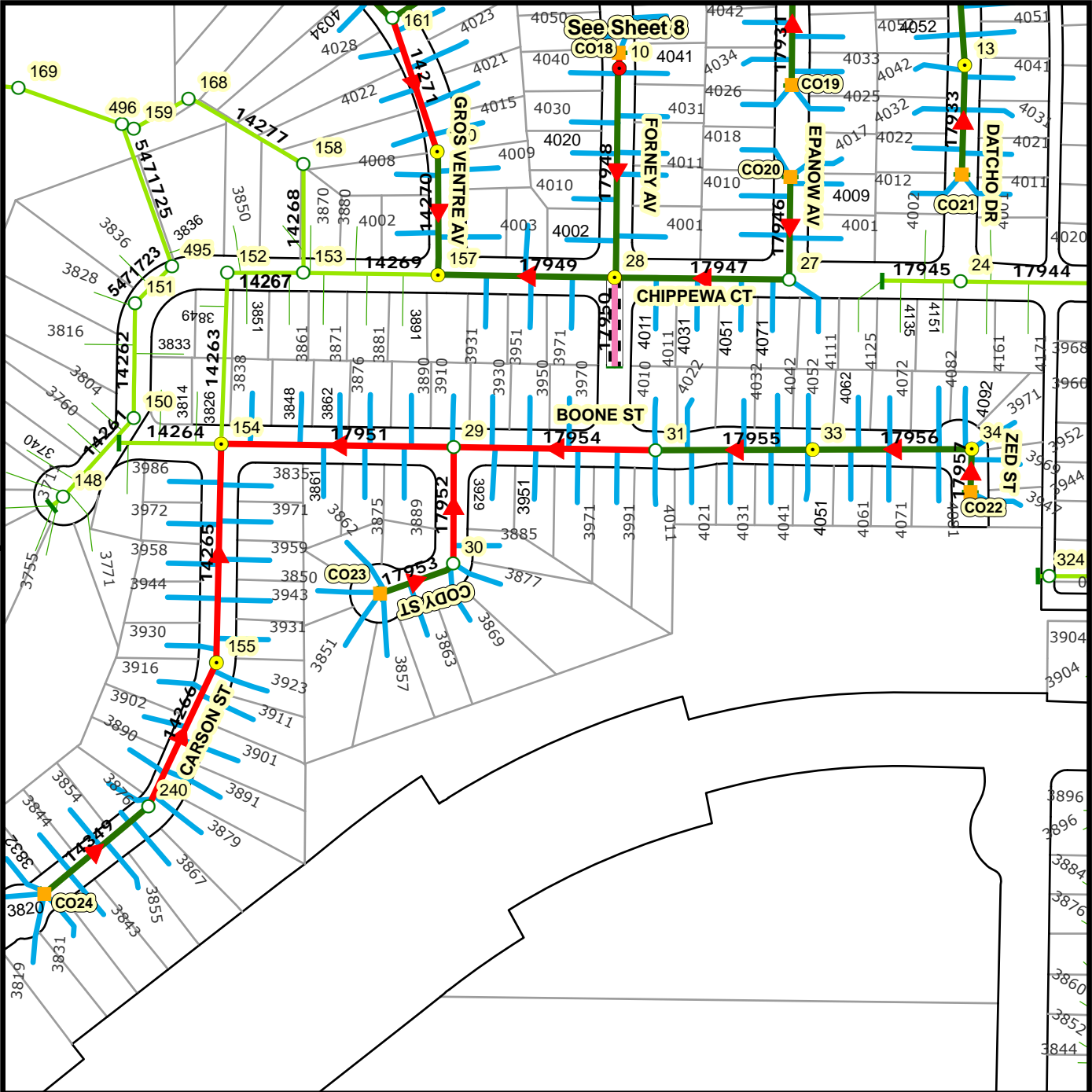
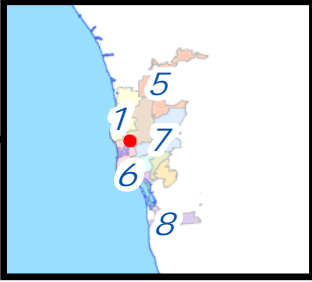
BAY HO IMPROVEMENTS 1 MAP SHEET 9 OF 9

SENIOR ENGINEER
JANICE JARO
619-533-3851

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Legend

- Ex Manhole
- Manhole Rehab/Repair
- Sewer Main Rehab
- Rehab with Point Repair
- Ex Sewer Mains
- Ex Laterals
- New Cleanout
- Manhole Replacement
- Ex Laterals
- Abandon Sewer
- Rehab Laterals
- Encasement
- Manhole Map ID
- Encasement
- Ex Plugs
- Direction of Flow

1234 Sewer Main FSN No.



NO SCALE

COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 2

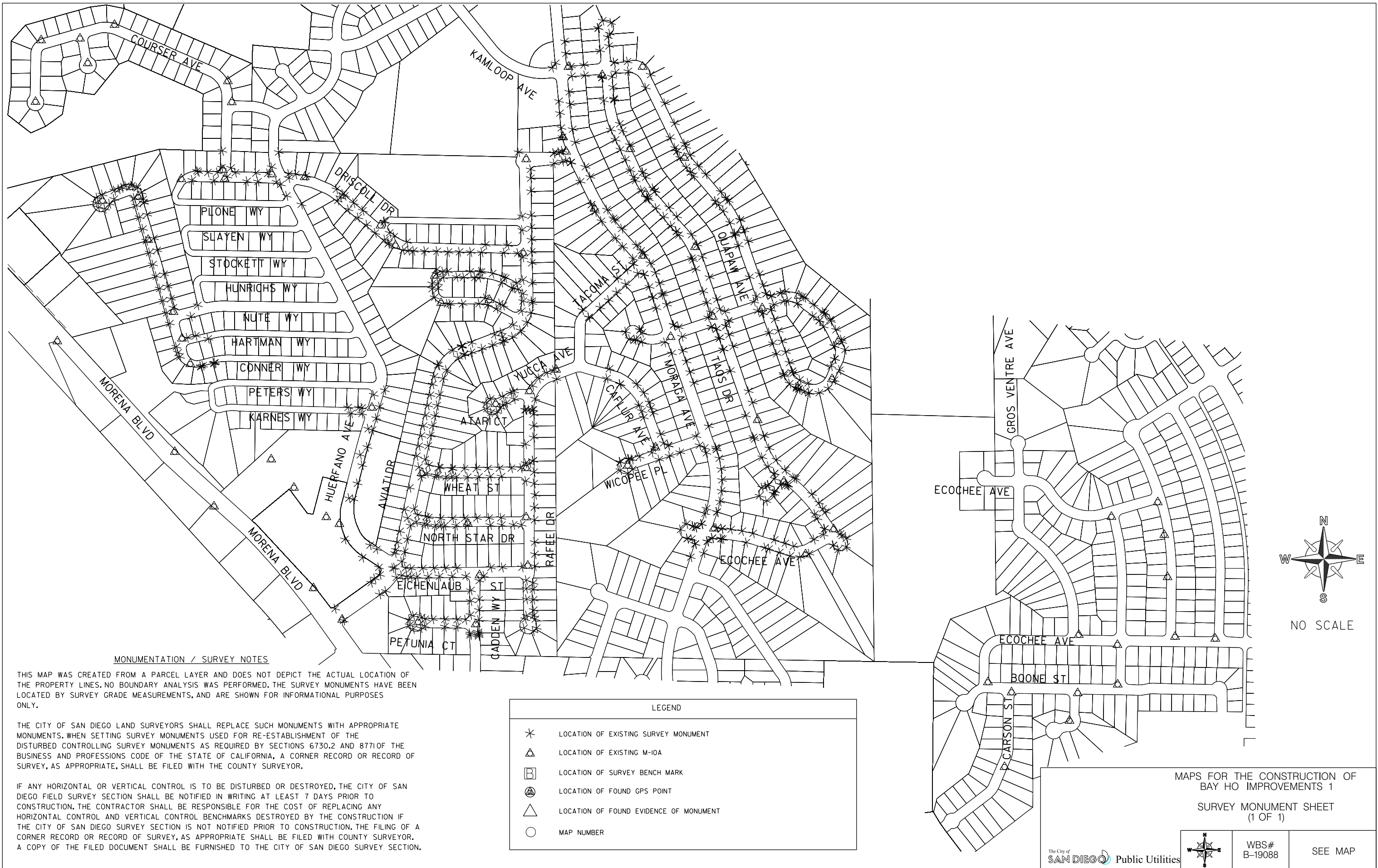
SAP ID: B19088

Date: November 30, 2020
Bay Ho Improvements 1
Appendix T – Site Maps



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APPENDIX U
SURVEY MONUMENT SHEET



MONUMENTATION / SURVEY NOTES

THIS MAP WAS CREATED FROM A PARCEL LAYER AND DOES NOT DEPICT THE ACTUAL LOCATION OF THE PROPERTY LINES. NO BOUNDARY ANALYSIS WAS PERFORMED. THE SURVEY MONUMENTS HAVE BEEN LOCATED BY SURVEY GRADE MEASUREMENTS, AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE MONUMENTS. WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED WITH THE COUNTY SURVEYOR.

IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION IF THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION. THE FILING OF A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED WITH COUNTY SURVEYOR. A COPY OF THE FILED DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

LEGEND	
✱	LOCATION OF EXISTING SURVEY MONUMENT
△	LOCATION OF EXISTING M-10A
□	LOCATION OF SURVEY BENCH MARK
⊗	LOCATION OF FOUND GPS POINT
△	LOCATION OF FOUND EVIDENCE OF MONUMENT
○	MAP NUMBER

MAPS FOR THE CONSTRUCTION OF
BAY HO IMPROVEMENTS 1
SURVEY MONUMENT SHEET
(1 OF 1)







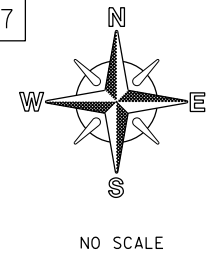
WBS#
B-19088

SEE MAP

APPENDIX V
STREET RESURFACING PLANS


STREET RESURFACING PLAN

LEGEND	
	APPROX. LIMITS OF SLURRY SEAL TYPE I OVER TYPE II
	APPROX. LIMITS OF FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)
	APPROX. LIMITS OF SLURRY SEAL TYPE II OVER TYPE III
	LOCATION PER PAVING SCHEDULE NOTES (SEE PAVING SCHEDULE ON RESURFACING SHEET 3)






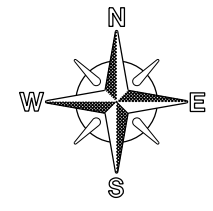
MAPS FOR THE CONSTRUCTION OF
BAY HO IMPROVEMENTS 1
STREET RESURFACING PLAN
(1 OF 3)




	WBS# B-19088	SEE MAP
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STREET RESURFACING PLAN

LEGEND	
	APPROX. LIMITS OF SLURRY SEAL TYPE I OVER TYPE II
	APPROX. LIMITS OF FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)
	LOCATION PER PAVING SCHEDULE NOTES (SEE PAVING SCHEDULE ON RESURFACING SHEET 3)





NO SCALE

MAPS FOR THE CONSTRUCTION OF BAY HO IMPROVEMENTS 1 STREET RESURFACING PLAN (2 OF 3)		
 The City of SAN DIEGO	Public Utilities WBS# B-19088	SEE MAP

PAVING SCHEDULE NOTES																
NO.	LOCATION	STREET SEGMENT ID	OCI	RESTORATION REQUIRED	LENGTH (FT)	WIDTH (FT)	APPROX. AREA (SF)	NO.	LOCATION	STREET SEGMENT ID	OCI	RESTORATION REQUIRED	LENGTH (FT)	WIDTH (FT)	APPROX. AREA (SF)	
1	CONNER CT. BETWEEN NUTE WY AND END	SS-007806	44.166	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	40	36	1,440	26	ECOCHEE AVE BETWEEN FORNEY AVE AND EPANOW AVE	SS-009874	81.04	SLURRY SEAL TYPE I OVER II	100	36	3,600	
2	DRISCOLL DR BETWEEN HUEFANO DR AND WAYNE LN	SS-009472	80.616	SLURRY SEAL TYPE I OVER II	40	36	1,440	27	DATCHO DR BETWEEN CHIPPEWA CT AND FOX AVE	SS-008744	83.008	SLURRY SEAL TYPE I OVER II	90	30	2,700	
3	DRISCOLL DR BETWEEN HUEFANO DR AND WAYNE LN	SS-009472	80.616	SLURRY SEAL TYPE I OVER II	165	36	5,940	28	FOX AVE BETWEEN DATCHO DR AND CLAIREMONT DR	SS-011396	85.212	SLURRY SEAL TYPE I OVER II	40	30	1,200	
4	DRISCOLL DR BETWEEN WAYNE LN AND AVATIDR	SS-009473	87.3	SLURRY SEAL TYPE I OVER II	40	36	1,440	29	GROS VENTRE AVE ECOCHEE AVE AND END	SS-012753	89.712	SLURRY SEAL TYPE I OVER II	40	30	1,200	
5	MORAGA AVE KAMLOOP AVE	SS-018983	80.232	SLURRY SEAL TYPE I OVER II	40	40	1,600	30	ECOCHEE AVE BEGIN AND GROS VENTRE AVE	SS-009873	68.836	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	40	30	1,200	
6	TAOS DR FOX AVE AND KAMLOOP AVE	SS-026162	53.886	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	90	36	3,240	31	ECOCHEE AVE GROS VENTRE AVE AND FORNEY AVE	SS-009875	76.782	SLURRY SEAL TYPE I OVER II	40	36	1,440	
7	QUAPAW AVE FOX AVE AND KAMLOOP AVE	SS-022480	54.426	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	70	36	2,520	32	EPANOW AVE CHIPEWA CT AND ECOCHEE AVE	SS-010398	82.604	SLURRY SEAL TYPE I OVER II	40	30	1,200	
8	TACOMA ST CALFUR AVE AND MORAGA AVE	SS-026085	72.556	SLURRY SEAL TYPE I OVER II	40	36	1,440	33	EPANOW AVE CHIPEWA CT AND ECOCHEE AVE	SS-010398	82.604	SLURRY SEAL TYPE I OVER II	40	30	1,200	
9	FOX PL BEGIN AND FOX AVE	SS-011398	58.78	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	40	30	1,200	34	DATCHO DR BETWEEN CHIPPEWA CT AND FOX AVE	SS-008744	83.008	SLURRY SEAL TYPE I OVER II	40	30	1,200	
10	QUAPAW AVE FOX AVE AND KAMLOOP AVE	SS-022480	54.426	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	40	36	1,440	35	CARSON ST BEGIN AND BOONE ST	SS-006562	77.022	SLURRY SEAL TYPE I OVER II	40	36	1,440	
11	NEMAHA DR QUAPAW AVE AND FOX AVE	SS-019753	45.208	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	40	30	1,200	36	CODY ST BEGIN AND BOONE ST	SS-007489	81.202	SLURRY SEAL TYPE I OVER II	40	30	1,200	
12	QUAPAW AVE NEMAHA DR AND FOX AVE	SS-022479	44.11	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	40	30	1,200	37	ZED ST BEGIN AND BOONE ST	SS-029205	74	SLURRY SEAL TYPE I OVER II	40	36	1,440	
13	MORAGA AVE WICOPEE PL AND FOX AVE	SS-018986	41.758	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	130	40	5,200	38	ECOCHEE AVE BETWEEN FORNEY AVE AND EPANOW AVE	SS-009874	81.04	ADDITIVE ALTERNATE A SLURRY SEAL TYPE I OVER II	165	36	5,940	
14	WICOPEE PL BEGIN AND CAFLUR AVE	SS-028726	45.026	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	40	30	1,200	39	CARSON ST BEGIN AND BOONE ST	SS-006562	77.022	ADDITIVE ALTERNATE A SLURRY SEAL TYPE I OVER II	110	36	3,960	
15	TAOS PL BEGIN AND TAOS DR	SS-026164	34.75	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	40	30	1,200	40	CARSON ST BEGIN AND BOONE ST	SS-006562	77.022	ADDITIVE ALTERNATE A SLURRY SEAL TYPE I OVER II	60	36	2,160	
16	ECOCHEE AVE BEGIN AND MORAGA AVE	SS-009876	49.926	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	40	47	1,880	41	CARSON ST BEGIN AND BOONE ST	SS-006562	77.022	ADDITIVE ALTERNATE A SLURRY SEAL TYPE I OVER II	190	36	6,840	
17	ECOCHEE AVE MORAGA AVE AND TAOS DR	SS-009877	57.198	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	230	36	8,280	42	CODY ST BEGIN AND BOONE ST	SS-007489	81.202	ADDITIVE ALTERNATE A SLURRY SEAL TYPE I OVER II	120	30	3,600	
18	TAOS DR BEGIN AND ECOCHEE AVE	SS-026161	58	FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)	40	36	1,440	43	CODY ST BEGIN AND BOONE ST	SS-007489	81.202	ADDITIVE ALTERNATE A SLURRY SEAL TYPE I OVER II	40	30	1,200	
19	CARSON ST BEGIN AND BOONE ST	SS-006562	77.022	SLURRY SEAL TYPE I OVER II	170	36	6,120	TOTAL AREA OF SLURRY SEAL TYPE I OVER TYPE II							104,360 SF	
20	CARSON ST BEGIN AND BOONE ST	SS-006562	77.022	SLURRY SEAL TYPE I OVER II	245	36	8,820	TOTAL AREA OF FULL WIDTH COLD MILLING AND AC OVERLAY (2 INCH)							32,640 SF	
21	BOONE ST CARSON ST AND CODY ST	SS-004568	80.424	SLURRY SEAL TYPE I OVER II	170	36	6,120	TOTAL AREA OF ADDITIVE ALTERNATE A SLURRY TYPE I OVER TYPE II							23,700 SF	
22	FORNEY AVE BETWEEN ECOCHEE AVE AND CHIPPEWA CT	SS-011316	83.116	SLURRY SEAL TYPE I OVER II	672	50	33,600									
23	FORNEY AVE BETWEEN BOONE ST AND CHIPPEWA CT	SS-011317	65.31	SLURRY SEAL TYPE I OVER II	224	50	11,200									
24	CODY ST BEGIN AND BOONE ST	SS-007489	81.202	SLURRY SEAL TYPE I OVER II	90	30	2,700									
25	GROS VENTRE AVE BETWEEN CHIPPEWA CT AND ECOCHEE AVE	SS-012754	80.932	SLURRY SEAL TYPE I OVER II	170	36	6,120									

MAPS FOR THE CONSTRUCTION OF
BAY HO IMPROVEMENTS 1
STREET RESURFACING PLAN
(3 OF 3)

 The City of SAN DIEGO		WBS# B-19088	SEE MAP
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ATTACHMENT F
RESERVED

ATTACHMENT G
CONTRACT AGREEMENT

CONTRACT AGREEMENT

CONSTRUCTION CONTRACT

This Phase-Funded contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and **Southwest Pipeline and Trenchless Corp.**, herein called "Contractor" for construction of **Bay Ho Improvements 1**, Bid No. **K-21-1988-DBB-3**, in the total amount Two Million Eight Hundred Thirty Two Thousand Three Hundred Forty Five Dollars and Zero Cents (\$2,832,345.00), which is comprised of the Base Bid consisting of an amount not to exceed \$2,124,259.00 for Phase I and \$708,086.00 for Phase II.

IN CONSIDERATION of the payments to be made hereunder and the mutual undertakings of the parties hereto, City and Contractor agree as follows:

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
 - (d) Phased Funding Schedule Agreement.
 - (e) That certain documents entitled **Bay Ho Improvements 1**, on file in the office of Engineering & Capital Projects Department as Document No. **B-19088** as well as all matters referenced therein.
2. The Contractor shall perform and be bound by all the terms and conditions of this contract and in strict conformity therewith shall perform and complete in a good and workmanlike manner **Bay Ho Improvements 1**, Bid Number **K-21-1988-DBB-3**, San Diego, California.
3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances (See WHITEBOOK, Section 7-3.10, Phased Funding Compensation).
4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
5. This contract is effective as of the date that the Mayor or designee signs the agreement and is approved by the City Attorney in accordance with San Diego Charter Section 40.

CONTRACT AGREEMENT (continued)

IN WITNESS WHEREOF, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, pursuant to Municipal Code 522.3102 authorizing such execution.

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

Mara W. Elliott, City Attorney

By Stephen Samara

By Bonny Hsu

Print Name: Stephen Samara
Principal Contract Specialist
Engineering & Capital Projects Department

Print Name: Bonny Hsu
Deputy City Attorney

Date: 6/8/2021

Date: 6/9/21

CONTRACTOR

By Justin Duchaineau

Print Name: Justin Duchaineau

Title: President

Date: 4-14-21

City of San Diego License No.: B2003006118

State Contractor's License No.: 773862-A

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000002176

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of Los Angeles)

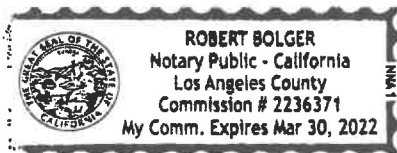
On 4-14-21 before me, Robert Bolger, Notary Public, Here Insert Name and Title of the Officer

personally appeared Justin Duchaineau Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Handwritten Signature] Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Document Date:

Number of Pages: Signer(s) Other Than Named Above:

Capacity(ies) Claimed by Signer(s)

Signer's Name:

Corporate Officer -- Title(s):

Partner -- Limited General

Individual Attorney in Fact

Trustee Guardian or Conservator

Other:

Signer Is Representing:

Signer's Name:

Corporate Officer -- Title(s):

Partner -- Limited General

Individual Attorney in Fact

Trustee Guardian or Conservator

Other:

Signer Is Representing:

CERTIFICATIONS AND FORMS

The Bidder, by submitting its electronic bid, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certifications, forms and affidavits submitted as part of this bid are true and correct.

BIDDER'S GENERAL INFORMATION

To the City of San Diego:

Pursuant to "Notice Inviting Bids", specifications, and requirements on file with the City Clerk, and subject to all provisions of the Charter and Ordinances of the City of San Diego and applicable laws and regulations of the United States and the State of California, the undersigned hereby proposes to furnish to the City of San Diego, complete at the prices stated herein, the items or services hereinafter mentioned. The undersigned further warrants that this bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

The undersigned bidder(s) further warrants that bidder(s) has thoroughly examined and understands the entire Contract Documents (plans and specifications) and the Bidding Documents therefore, and that by submitting said Bidding Documents as its bid proposal, bidder(s) acknowledges and is bound by the entire Contract Documents, including any addenda issued thereto, as such Contract Documents incorporated by reference in the Bidding Documents.

**NON-COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID UNDER 23
UNITED STATES CODE 112 AND PUBLIC CONTRACT CODE 7106**

State of California

County of San Diego

The bidder, being first duly sworn, deposes and says that he or she is authorized by the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-17 regarding Drug-Free Workplace as outlined in the WHITEBOOK, Section 5-1.3, "Drug-Free Workplace", of the project specifications, and that;

This company has in place a drug-free workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of subdivisions a) through c) of the policy as outlined.

CONTRACTOR CERTIFICATION

AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-4 regarding the Americans With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 5-1.2, "California Building Code, California Code of Regulations Title 24 and Americans with Disabilities Act", of the project specifications, and that:

This company has in place workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of the policy as outlined.

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

I declare under penalty of perjury that I am authorized to make this certification on behalf of the company submitting this bid/proposal, that as Contractor, I am familiar with the requirements of City of San Diego Municipal Code § 22.3004 regarding Contractor Standards as outlined in the WHITEBOOK, Section 5-1.4, ("Contractor Standards and Pledge of Compliance"), of the project specifications, and that Contractor has complied with those requirements.

I further certify that each of the Contractor's subcontractors has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3004.

CONTRACTOR CERTIFICATION

EQUAL BENEFITS ORDINANCE CERTIFICATION

I declare under penalty of perjury that I am familiar with the requirements of and in compliance with the City of San Diego Municipal Code § 22.4300 regarding Equal Benefits Ordinance.

CONTRACTOR CERTIFICATION

EQUAL PAY ORDINANCE CERTIFICATION

Contractor shall comply with the Equal Pay Ordinance (EPO) codified in the San Diego Municipal Code (SDMC) at section 22.4801 through 22.4809, unless compliance is not required based on an exception listed in SDMC section 22.4804.

Contractor shall require all of its subcontractors to certify compliance with the EPO in their written subcontracts.

Contractor must post a notice informing its employees of their rights under the EPO in the workplace or job site.

By signing this Contract with the City of San Diego, Contractor acknowledges the EPO requirements and pledges ongoing compliance with the requirements of SDMC Division 48, section 22.4801 et seq., throughout the duration of this Contract.

AFFIDAVIT OF DISPOSAL

(To be submitted upon completion of Construction pursuant to the contracts Certificate of Completion)

WHEREAS, on the _____ DAY OF _____, 2_____ the undersigned entered into and executed a contract with the City of San Diego, a municipal corporation, for:

Bay Ho Improvements 1

(Project Title)

as particularly described in said contract and identified as Bid No. **K-21-1988-DBB-3**; SAP No. (WBS) **B-19088**; and **WHEREAS**, the specification of said contract requires the Contractor to affirm that "all brush, trash, debris, and surplus materials resulting from this project have been disposed of in a legal manner"; and **WHEREAS**, said contract has been completed and all surplus materials disposed of:

NOW, THEREFORE, in consideration of the final payment by the City of San Diego to said Contractor under the terms of said contract, the undersigned Contractor, does hereby affirm that all surplus materials as described in said contract have been disposed of at the following location(s)

and that they have been disposed of according to all applicable laws and regulations.

Dated this _____ DAY OF _____, _____.

By: _____
Contractor

ATTEST:

State of _____ County of _____

On this _____ DAY OF _____, 2_____, before the undersigned, a Notary Public in and for said County and State, duly commissioned and sworn, personally appeared _____ known to me to be the _____ Contractor named in the foregoing Release, and whose name is subscribed thereto, and acknowledged to me that said Contractor executed the said Release.

Notary Public in and for said County and State

LIST OF SUBCONTRACTORS

***** PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY *** TO BE SUBMITTED IN ELECTRONIC FORMAT ONLY*** SEE INSTRUCTIONS TO BIDDERS, FOR FURTHER INFORMATION**

In accordance with the requirements of the "Subletting and Subcontracting Fair Practices Act", Section 4100, of the California Public Contract Code (PCC), the Bidder is to list below the name, address and license number of each Subcontractor who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement, in an amount of or in excess of 0.5% of the Contractor's total Bid. Failure to comply with this requirement may result in the Bid being rejected as non-responsive. The Contractor is to list only one Subcontractor for each portion of the Work. The Bidder's attention is directed to the Special Provisions - Section 3-2, "SELF-PERFORMANCE", which stipulates the percentage of the Work to be performed with the Bidder's own forces. The Bidder is to also list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which the Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB®	WHERE CERTIFIED®	CHECK IF JOINT VENTURE PARTNERSHIP
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							

- ① As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):
- | | | | |
|---|--------|--|---------|
| Certified Minority Business Enterprise | MBE | Certified Woman Business Enterprise | WBE |
| Certified Disadvantaged Business Enterprise | DBE | Certified Disabled Veteran Business Enterprise | DVBE |
| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ② As appropriate, Bidder shall indicate if Subcontractor is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | | |
| State of California's Department of General Services | CADoGS | City of Los Angeles | LA |
| State of California | CA | U.S. Small Business Administration | SBA |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

***** PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY *** TO BE SUBMITTED IN ELECTRONIC FORMAT ONLY *** SEE INSTRUCTIONS TO BIDDERS FOR FURTHER INFORMATION**

NAME, ADDRESS AND TELEPHONE NUMBER OF VENDOR/SUPPLIER	MATERIALS OR SUPPLIES	DOLLAR VALUE OF MATERIAL OR SUPPLIES	SUPPLIER (Yes/No)	MANUFACTURER (Yes/No)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED ^②
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____						

- ① As appropriate, Bidder shall identify Vendor/Supplier as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):
- | | | | |
|---|--------|--|---------|
| Certified Minority Business Enterprise | MBE | Certified Woman Business Enterprise | WBE |
| Certified Disadvantaged Business Enterprise | DBE | Certified Disabled Veteran Business Enterprise | DVBE |
| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ② As appropriate, Bidder shall indicate if Vendor/Supplier is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | | |
| State of California's Department of General Services | CADoGS | City of Los Angeles | LA |
| State of California | CA | U.S. Small Business Administration | SBA |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

ELECTRONICALLY SUBMITTED FORMS

FAILURE TO FULLY COMPLETE AND SUBMIT ANY OF THE FOLLOWING FORMS WILL DEEM YOUR BID NON-RESPONSIVE.

PLANETBIDS WILL NOT ALLOW FOR BID SUBMISSIONS WITHOUT THE ATTACHMENT OF THESE FORMS

The following forms are to be completed by the bidder and submitted (uploaded) electronically with the bid in PlanetBids.

- A. BID BOND – See Instructions to Bidders, Bidders Guarantee of Good Faith (Bid Security) for further instructions**
- B. CONTRACTOR’S CERTIFICATION OF PENDING ACTIONS**
- C. SUBCONTRACTOR LISTING FOR ALTERNATE ITEMS**
- D. MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM**
- E. DEBARMENT AND SUSPENSION CERTIFICATION FOR PRIME CONTRACTOR**
- F. DEBARMENT AND SUSPENSION CERTIFICATION FOR SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS**
- G. CONTRACTOR’S EXPERIENCE AND PAST PROJECT DOCUMENTATION. SEE SSP AND 2018 WB SECTION 500-2.1 “INITIAL SUBMITTALS”, 1a)**
- H. MANUFACTURER AUTHORIZED INSTALLER CERTIFICATION. SEE SSP AND 2018 WB SECTION 500-2.1, “INITIAL SUBMITTALS”, 1b)**

BID BOND

**See Instructions to Bidders, Bidder Guarantee of Good Faith
(Bid Security)**

KNOW ALL MEN BY THESE PRESENTS,

That Southwest Pipeline and Trenchless Corp. as Principal, and Liberty Mutual Insurance Company as Surety, are held and firmly bound unto The City of San Diego hereinafter called "OWNER," in the sum of **10% OF THE TOTAL BID AMOUNT** for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has submitted a Bid to said OWNER to perform the WORK required under the bidding schedule(s) of the OWNER's Contract Documents entitled

Bay Ho Improvements 1 Bid No. K-21-1988-DBB-3

NOW THEREFORE, if said Principal is awarded a contract by said OWNER and, within the time and in the manner required in the "Notice Inviting Bids" enters into a written Agreement on the form of agreement bound with said Contract Documents, furnishes the required certificates of insurance, and furnishes the required Performance Bond and Payment Bond, then this obligation shall be null and void, otherwise it shall remain in full force and effect. In the event suit is brought upon this bond by said OWNER and OWNER prevails, said Surety shall pay all costs incurred by said OWNER in such suit, including a reasonable attorney's fee to be fixed by the court.

SIGNED AND SEALED, this 19th day of January, 2021

Southwest Pipeline and Trenchless Corp. (SEAL)
(Principal)

Liberty Mutual Insurance Company (SEAL)
(Surety)

By: [Signature]
(Signature)

By: [Signature]
(Signature)

Noemi Quiroz, Attorney-in-Fact

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of Los Angeles)

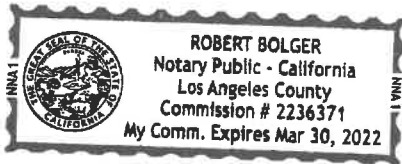
On 1-25-21 before me, Robert Bolger , Notary Public,
Date Here Insert Name and Title of the Officer

personally appeared Justin Duchaineau
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature R.B.G.
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- Corporate Officer — Title(s): _____
- Partner — Limited General
- Individual Attorney in Fact
- Trustee Guardian or Conservator
- Other: _____

Signer Is Representing: _____

Signer's Name: _____

- Corporate Officer — Title(s): _____
- Partner — Limited General
- Individual Attorney in Fact
- Trustee Guardian or Conservator
- Other: _____

Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

Civil Code § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

State of California)
) ss
County of Los Angeles)

On January 19, 2021, before me, Natalie K. Trofimoff, Notary Public, personally appeared Noemi Quiroz, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



(Seal)

Signature: Natalie K. Trofimoff
Natalie K. Trofimoff, Notary Public

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees. To confirm the validity of this Power of Attorney call 610-832-8240 between 9:00 am and 4:30 pm EST on any business day.



Liberty Mutual.
SURETY

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint Noemi Quiroz of the city of Los Angeles, state of CA its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge the following surety bond:

Principal Name: Southwest Pipeline and Trenchless Corp.

Obligee Name: The City of San Diego

Surety Bond Number: Bid Bond Bond Amount: See Bond Form

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 12th day of December, 2018.



The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: [Signature]
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 12th day of December, 2018, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: [Signature]
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, of Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company do hereby certify that this power of attorney executed by said Companies is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 19th day of January, 2021.



By: [Signature]
Renee C. Llewellyn, Assistant Secretary

CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against the Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

CHECK ONE BOX ONLY.

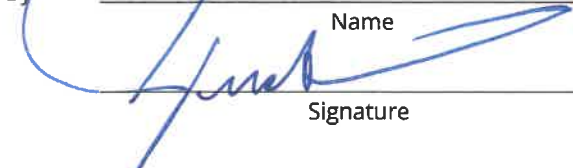
- The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.

- The undersigned certifies that within the past 10 years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:

DATE OF CLAIM	LOCATION	DESCRIPTION OF CLAIM	LITIGATION (Y/N)	STATUS	RESOLUTION/REMEDIAL ACTION TAKEN

Contractor Name: Southwest Pipeline and Trenchless Corp.

Certified By: Justin Duchaineau Title President

Name

 Signature

Date 1-25-21

USE ADDITIONAL FORMS AS NECESSARY

SUBCONTRACTORS ADDITIVE/DEDUCTIVE ALTERNATE

***** FOR USE WHEN LISTING SUBCONTRACTORS ON ALTERNATES *****

(Use Additional Sheets As Needed)

ADDITIVE/DEDUCTIVE ALTERNATE	SUBCONTRACTOR NAME, LOCATION, PHONE & EMAIL	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
Add 36,37	Name: <u>RAP Engineering</u> Address: <u>503 E Mission Rd.</u> City: <u>San Marcos</u> State: <u>ca</u> Zip: <u>92069</u> Phone: <u>760-233-2980</u> Email: <u>swhitlock@rapenginc.com</u>	Constructor	1000002968	880956	AC Overlay Cold Mill	69,856	DBE	Caltrans	
Deduct 38 39	Name: <u>G. Scott Asphalt</u> Address: <u>358 Trousdale Dr.</u> City: <u>Chula Vista</u> State: <u>CA</u> Zip: <u>91910</u> Phone: <u>619-420-1854</u> Email: <u>Estimating@asphaltrepairs.com</u>	Constructor	1000004252	751836	RPMS 1, RPMS II	-7,168.32			
	Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____								

- ① As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

- ② As appropriate, Bidder shall indicate if Subcontractor is certified by:

City of San Diego	CITY	State of California Department of Transportation	CALTRANS
California Public Utilities Commission	CPUC		
State of California's Department of General Services	CADoGS	City of Los Angeles	LA
State of California	CA	U.S. Small Business Administration	SBA

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification

Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Legal Name		DBA	
Southwest Pipeline and Trenchless Corp.		Southwest Pipeline and Trenchless Corp.	
Street Address	City	State	Zip
22118 Vermont Ave	Torrance	California	90502
Contact Person, Title		Phone	Fax
Justin Duchaineau-President		(310) 329-8717	(310) 329-0981

Provide the name, identity, and precise nature of the interest* of all persons who are directly or indirectly involved** in this proposed transaction (SDMC § 21.0103).

* The precise nature of the interest includes:

- the percentage ownership interest in a party to the transaction,
- the percentage ownership interest in any firm, corporation, or partnership that will receive funds from the transaction, the value of any financial interest in the transaction,
- any contingent interest in the transaction and the value of such interest should the contingency be satisfied, and any philanthropic, scientific, artistic, or property interest in the transaction.

** Directly or indirectly involved means pursuing the transaction by:

- communicating or negotiating with City officers or employees,
- submitting or preparing applications, bids, proposals or other documents for purposes of contracting with the City, or directing or supervising the actions of persons engaged in the above activity.

Name	Title/Position
Justin Duchaineau	President
City and State of Residence	Employer (if different than Bidder/Proposer)
Los Angeles, California	
Interest in the transaction	
Preparing and submitting bid for purpose of contracting with the City of San Diego	

Name	Title/Position
Robert Bolger	Secretary
City and State of Residence	Employer (if different than Bidder/Proposer)
Pasadena, California	
Interest in the transaction	
Preparing and submitting bid for purpose of contracting with the City of San Diego	

* Use Additional Pages if Necessary *

Under penalty of perjury under the laws of the State of California, I certify that I am responsible for the completeness and accuracy of the responses contained herein, and that all information provided is true, full and complete to the best of my knowledge and belief. I agree to provide written notice to the Mayor or Designee within five (5) business days if, at any time, I learn that any portion of this Mandatory Disclosure of Business Interests Form requires an updated response. Failure to timely provide the Mayor or Designee with written notice is grounds for Contract termination.

Justin Duchaineau-President _____ 1-25-21
 Print Name, Title _____ Signature _____ Date _____

Failure to sign and submit this form with the bid/proposal shall make the bid/proposal non-responsive. In the case of an informal solicitation, the contract will not be awarded unless a signed and completed Mandatory Disclosure of Business Interests Form is submitted.

**DEBARMENT AND SUSPENSION CERTIFICATION
PRIME CONTRACTOR
FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE**

EFFECT OF DEBARMENT OR SUSPENSION
To promote integrity in the City's contracting processes and to protect the public interest, the City shall only enter into contracts with responsible bidders and contractors. In accordance with San Diego Municipal Code §22.0814 (a): <i>Bidders and contractors</i> who have been <i>debarred or suspended</i> are excluded from submitting bids, submitting responses to requests for proposal or qualifications, receiving <i>contract awards</i> , executing <i>contracts</i> , participating as a <i>subcontractor</i> , employee, agent or representative of another <i>person</i> contracting with the City.

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of Names of the Principal Individual owner(s).

The names of all persons interested in the foregoing proposal as Principals are as follows:

NAME	TITLE
Justin Duchaineau	President
Robert Bolger	Secretary
Koji Kuwada	Treasurer

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, state secretary, treasurer, and manager thereof; if a co-partnership, state true name of firm, also names of all individual co-partners composing firm; if Bidder or other interested person is an individual, state first and last names in full.

The Bidder, under penalty of perjury, certifies that, except as noted below, he/she or any person associated therewith in the capacity of owner, partner, director, officer, manager:

- Is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal, State or local agency;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by any Federal, State or local agency within the past 3 years;
- does not have a proposed debarment pending; and
- has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

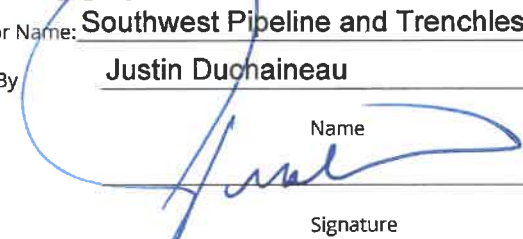
N/A

Exceptions will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Contractor Name: Southwest Pipeline and Trenchless Corp.

Certified By Justin Duchaineau Title President

Name



Signature

Date 1-25-21

NOTE: Providing false information may result in criminal prosecution or administrative sanctions.

**DEBARMENT AND SUSPENSION CERTIFICATION
SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS
*TO BE COMPLETED BY BIDDER***

FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE

Names of the Principal individual owner(s)

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of Names of the Principal Individual owner(s) for their subcontractor/supplier/manufacturers.

Please indicate if principal owner is serving in the capacity of **subcontractor, supplier, and/or manufacturer:**

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
David Brilhante- Statewide Stripes	Owner

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Adam Wilson- Easy Flow	Owner

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Craig Barry- Piperin	Owner

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Suzanne Anslett- National Coating	Owner
Jim Pleasants	Owner
Tommy Unsell	Owner
Ben Castino	Owner

Contractor Name: Southwest Pipeline and Trenchless Corp.

Certified By Justin Duchaineau Title President


 Name
 Signature

Date 1-25-21

USE ADDITIONAL FORMS AS NECESSARY*

DEBARMENT AND SUSPENSION CERTIFICATION
SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS
TO BE COMPLETED BY BIDDER
FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE

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Please indicate if principal owner is serving in the capacity of **subcontractor, supplier, and/or manufacturer:**

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Robert Perez- RAP Engineering	Owner

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Ala Karaja- Mirmar General	Owner

SUBCONTRACTOR SUPPLIER MANUFACTURER

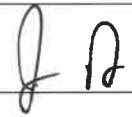
NAME	TITLE
Dan Wemble- G Scott Asphalt	Owner

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

Contractor Name: Southwest Pipeline and Trenchless Corp.

Certified By Justin Duchaineau Title President


 Name

 Signature

Date 1-25-21

USE ADDITIONAL FORMS AS NECESSARY*

City of San Diego

CITY CONTACT: Juan E. Espindola, Senior Contract Specialist, Email: JEEspindola@sandiego.gov
Phone No. (619) 533-4491

ADDENDUM A



FOR

BAY HO IMPROVEMENTS 1

BID NO.:	<u>K-21-1988-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>B-19088</u>
CLIENT DEPARTMENT:	<u>2000</u>
COUNCIL DISTRICT:	<u>2</u>
PROJECT TYPE:	<u>JA</u>

BID DUE DATE:

2:00 PM
JANUARY 26, 2021

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

<http://www.sandiego.gov/cip/bidopps/index.shtml>

A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

B. BIDDER'S QUESTIONS

Q1. Based on field review, manhole rehab table, and mainline cleanout table, it appears the City is off with the bid items quantity for the Sewer Lateral Rehab Less than 7' and Sewer Lateral Rehab more than 7, items 30 and 31. The manhole rehab table maybe has 4 manholes deep enough that would have greater than 7' cleanouts. In our experience, these projects have more of a 90% less than 7', and 10% greater than. This bid has 30% less than 7' and 70% greater than 7'. The City did not provide the manhole depths for all manholes on this project, but it is highly likely that these numbers are well off. Would the City look into the depth of the manholes, usually if 10' or less, the lateral cleanouts are most likely less than 7'. If no change, will the City please provide the manhole depths, or as built?

A1. The quantities for items 30 and 31 were calculated based on As-built research and available information on GIS "CIP Tracking system". The following link can be used to download all the as-built information that were gathered for this project.

<https://drive.google.com/drive/folders/1EYjxMtY7Mm4IkBPh821o1OaFMv9wP5Nq?usp=sharing>

C. SUPPLEMENTARY SPECIAL PROVISIONS

1. To Section 7-3.2 Partial and Final Payment, pages 57 and 58, DELETE in its entirety and SUBSTITUTE with the following:

7-3.2 Partial and Final Payment. To the "WHITEBOOK", item 1, DELETE in its entirety and **SUBSTITUTE** with the following:

1. The Final Payment, which is the release of Retention, shall be paid to you after you have successfully submitted the following required documents:

a) An affidavit that payrolls and bills for materials, equipment, and other indebtedness connected with the Work for which the City or the City's property might be responsible for or encumbered by.

b) A certificate evidencing that insurances required by the Contract Documents shall remain in force after Final

Payment is currently in effect and shall not be canceled or allowed to expire until at least a 30 Calendar Days prior written notice has been given to the Engineer.

- c) Consent of Surety to Final Payment.
- d) If required by the Engineer, other data establishing payment or satisfaction of obligations such as receipts, releases and waivers of liens, claims, and security interests or encumbrances arising out of the Contract Documents. If a Subcontractor refuses to furnish a release or waiver required by the City, you may furnish a bond satisfactory to the Engineer to indemnify the City against such lien.
- e) If required in the Contract Documents, the successful completion and submittal of the required reports such as construction demolition, waste recycling, and hydrostatic discharge reports.
- f) Required EOCP Final Summary Report in accordance with Section 0-12, "Contract Records and Reports", record drawings, operations manuals, test reports, warranty documentation, and UL labels shall be submitted before requesting the release of retention.
- g) Acceptance of the completed Project by the asset owning Department.

To the "WHITEBOOK", ADD the following:

- 2. Submit an invoice for payment after you successfully complete the required documents and the City will pay the invoice within 30 Calendar Days. The City will pay 6% annually for late retention payments

James Nagelvoort, Director
Engineering & Capital Projects Department

Dated: *January 15, 2021*
San Diego, California

JN/AJ/wf

ENGINEER OF WORK

The engineering Specifications and Special Provisions contained herein have been prepared by or under the direction of the following Registered Engineer:



For City Engineer

01/25/2021

Date

Seal:



A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

THE SUBMITTAL DATE FOR THIS PROJECT HAS BEEN EXTENDED AS STATED ON THE COVER PAGE.

B. BIDDER'S QUESTIONS

Q1. A subcontractor just brought up bid item 29 for Manhole Rehab and Upper Lid and Cone Replacement if needed. This is a vague statement, but is a major cost difference. These are two different scopes of work, performed by different type of contractors. The Manhole Rehab is performed within the manhole. If the Upper Lid and Cone replacement is needed, that has to be dug out. Manhole Rehab cost is +/- \$2,000 each. Remove/replacement of Upper lid and Cone can cost \$10,000 each. On this bid, 27 each the difference is \$54,000 for the Manhole Rehab, or \$270,000+\$54,000. The statement "if needed" gives the Contractor nothing to go on and there is no way of knowing at time of bid "if needed", let alone we've never seen it before on these projects.

This is a major issue, as vagueness leads to problems down the road in the Contract. Who is determining "if needed?" As these are two completely different scopes of work, we'd either request to separate the items, delete the cone and lid replacement, or get rid of the "if needed." That way contractors have a defined scope of work at bid time.

A1. The intent of the bid item is not to replace the lid and the upper cone but to make all appropriate repairs to the manhole as part of the preparatory work required before lining the manhole.

C. ADDITIONAL CHANGES

1. The following are additional changes to the Line Items in the PlanetBids Tab:

For clarity where applicable, **ADDITIONS**, if any, have been **Underlined** and **DELETIONS**, if any, have been **~~Stricken out.~~**

Section	Item Code	Description	UoM	Quantity	Payment Reference
29	237110	Rehabilitate & Repair Existing Manhole, <u>including Lid and upper cone replacement if needed</u>	EA	27	502-8

James Nagelvoort, Director
Engineering & Capital Projects Department

Dated: *January 25, 2021*
San Diego, California

JN/AJ/wf

Bid Results

Bidder Details

Vendor Name Southwest Pipeline and Trenchless Corp.
 Address 22118 S. Vermont Avenue
 Torrance, California 90502
 United States
 Respondee Justin Duchaineau
 Respondee Title President
 Phone 310-505-0251
 Email rbolger@swpipeline.com
 Vendor Type CADIR, PQUAL
 License # 773862
 CADIR 1000002176

Bid Detail

Bid Format Electronic
 Submitted 02/04/2021 1:05 PM (PST)
 Delivery Method
 Bid Responsive
 Bid Status Submitted
 Confirmation # 240219
 Ranking 0

Respondee Comment

Buyer Comment

Bond

eBond Contract ID

Attachments

File Title	File Name	File Type
Mandatory Disclosure of Business Interests Form.pdf	Mandatory Disclosure of Business Interests Form.pdf	General Attachments
Debarment and Suspension USE Sub.pdf	Debarment and Suspension USE Sub.pdf	General Attachments
Debarment and Suspension Cert PRIME.pdf	Debarment and Suspension Cert PRIME.pdf	General Attachments
Contractors Certification of Pending Actions.pdf	Contractors Certification of Pending Actions.pdf	General Attachments
Authorized Installer Certificates.pdf	Authorized Installer Certificates.pdf	General Attachments
Subcontractor USE Listing for Alternate Items.pdf	Subcontractor USE Listing for Alternate Items.pdf	General Attachments
Bid Bond.pdf	Bid Bond.pdf	Bid Bond
Contractor's Experience.pdf	Contractor's Experience.pdf	General Attachments

Subcontractors

Showing 6 of undefined Subcontractors

Name & Address	Desc	License Num	CADIR	Amount	Type
Easy Flow 14275 Crystal View Lane Poway, California 92064	Constructor- Sewer Lateral Rehab, CCTV	960845	1000010925	\$818,822.00	CADIR, CAU, MALE, SLBE
G SCOTT ASPHALT, INC 358 TROUSDALE DRIVE CHULA VISTA, California 91910	Constructor- RPMS Type I and II	751836	1000004252	\$123,080.00	
Jerusalem Construction, Inc. DBA I 1827 Cleveland Ave National City, California 91950	Constructor- Curb Ramps	1009541	1000033057	\$11,700.00	ELBE, PQUAL, CADIR
National Coating & Lining 26713 Madison Ave Murrieta, California 92532	Constructor- MH Rehab	886430	1000013795	\$33,750.00	
Piperin Corporation 510 Venture Street Escondido, California 92029	Constructor- Mainline Open Cut	964028	1000000485	\$331,905.60	PQUAL, CADIR
Statewide Stripes Inc. PO Box 600710 San Diego, California 92160	Constructor- Striping	788286	1000001334	\$8,100.00	DBE, CADIR

Line Items

Item #	Item Code	Section	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
1	524126	Main Bid		Bonds (Payment and Performance)	LS	1	\$18,000.00	\$18,000.00	Yes	
2	237110	Main Bid		Sewage Bypass and Pumping Plan (Diversion Plan)	LS	1	\$2,500.00	\$2,500.00	Yes	
3	237110	Main Bid		Mobilization	LS	1	\$3,000.00	\$3,000.00	Yes	
4		Main Bid		Field Orders (EOC Type II)	AL	1	\$130,000.00	\$130,000.00	Yes	
5	237310	Main Bid		Asphalt Pavement Repair	TON	1250	\$10.00	\$12,500.00	Yes	
6	237310	Main Bid		Rubber Polymer Modified Slurry (RPMS) Type I	SF	137000	\$0.36	\$49,320.00	Yes	
7	237310	Main Bid		Rubber Polymer Modified Slurry (RPMS) Type II	SF	137000	\$0.40	\$54,800.00	Yes	
8	237310	Main Bid		Crack Seal	LB	600	\$20.00	\$12,000.00	Yes	
9	237310	Main Bid		Pavement Restoration Adjacent to Trench	SF	625	\$4.00	\$2,500.00	Yes	
10	237310	Main Bid		Curb Ramp (Type C) with Stainless Steel Detectable Warning Tiles	EA	2	\$4,000.00	\$8,000.00	Yes	
11	237310	Main Bid		Curb Ramp (Type A) with Stainless Steel Detectable Warning Tiles	EA	1	\$4,200.00	\$4,200.00	Yes	
12	237110	Main Bid		Abandon and Fill Existing Sewer Main (8 Inch) Outside of the Trench Limit	LF	133	\$40.00	\$5,320.00	Yes	
13	237110	Main Bid		Additional Bedding	CY	220	\$1.00	\$220.00	Yes	
14	237110	Main Bid		Imported Trench Backfill	TON	354	\$10.00	\$3,540.00	Yes	
15	237110	Main Bid		Manhole (PVC Lined, 4 Ft x 3 Ft)	EA	4	\$19,000.00	\$76,000.00	Yes	
16	237110	Main Bid		Replace Manhole	EA	6	\$16,000.00	\$96,000.00	Yes	
17	237110	Main Bid		Sewer Main Cleanout	EA	24	\$5,000.00	\$120,000.00	Yes	
18	237110	Main Bid		Cleaning and Video Inspection of Existing Pipelines	LF	28272	\$1.00	\$28,272.00	Yes	
19	237110	Main Bid		Cleaning and Video Inspection of Existing Laterals	LF	766	\$1.00	\$766.00	Yes	
20	237110	Main Bid		Video Inspection of Pipelines for Acceptance	LF	28272	\$0.50	\$14,136.00	Yes	
21	237310	Main Bid		Removal and Replacement of Existing Paint Striping	LS	1	\$6,900.00	\$6,900.00	Yes	
22	238990	Main Bid		Video Recording of Existing Conditions	LS	1	\$1,500.00	\$1,500.00	Yes	
23	237310	Main Bid		Adjust Existing Manhole Frame and Cover to Grade	EA	10	\$200.00	\$2,000.00	Yes	
24	237310	Main Bid		Adjust Existing Gate Valve Frame and Cover to Grade	EA	22	\$100.00	\$2,200.00	Yes	
25	237110	Main Bid		Point Repair for Existing Sewer Main (8 Inch)	EA	22	\$3,000.00	\$66,000.00	Yes	
26	237110	Main Bid		Additional Point Repair for Existing Sewer Main (8 Inch), If Less Than 8 Feet Only	LF	300	\$50.00	\$15,000.00	Yes	
27	237110	Main Bid		Rehabilitate Sewer Main (8 Inch)	LF	28272	\$20.50	\$579,576.00	Yes	
28	237110	Main Bid		Service Lateral Connection	EA	766	\$700.00	\$536,200.00	Yes	
29	237110	Main Bid		Rehabilitate & Repair Existing Manhole	EA	27	\$1,280.00	\$34,560.00	Yes	
30	237110	Main Bid		Service Lateral Rehabilitation with Cleanout Up to 7 Ft in Depth	EA	237	\$1,755.00	\$415,935.00	Yes	
31	237110	Main Bid		Service Lateral Rehabilitation with Cleanout Greater Than 7 Ft in Depth	EA	529	\$1,000.00	\$529,000.00	Yes	
32	541330	Main Bid		Traffic Control and Working Drawings	LS	1	\$1,000.00	\$1,000.00	Yes	
33	237310	Main Bid		Pedestrian Barricade (Type A)	EA	1	\$400.00	\$400.00	Yes	
34	541330	Main Bid		WPCP Development	LS	1	\$500.00	\$500.00	Yes	
35	237310	Main Bid		WPCP Implementation	LS	1	\$500.00	\$500.00	Yes	
36	237310	Additive Alternate A		Asphalt Concrete Overlay	TON	400	\$142.00	\$56,800.00	Yes	
37	237310	Additive Alternate A		Cold Milling Full Width AC Pavement (2 Inch)	SF	32640	\$0.40	\$13,056.00	Yes	
38	237310	Deductive Alternate B		Rubber Polymer Modified Slurry (RPMS) Type I ((Deductive) Enter Unit Price As Negative (-))	SF	9432	\$-0.36	\$-3,395.52	Yes	
39	237310	Deductive Alternate B		Rubber Polymer Modified Slurry (RPMS) Type II ((Deductive) Enter Unit Price As Negative (-))	SF	9432	\$-0.40	\$-3,772.80	Yes	

Line Item Subtotals

Section Title	Line Total
Main Bid	\$2,832,345.00
Additive Alternate A	\$69,856.00
Deductive Alternate B	\$-7,168.32
Grand Total	\$2,895,032.68